



LEFKE AVRUPA ÜNİVERSİTESİ  
EUROPEAN UNIVERSITY OF LEFKE

**DEPARTMENT OF  
MEDICINE**

*PROGRAM INFORMATION*

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# PROGRAM INFORMATION

## **Program Name and Degree Awarded**

Faculty of Medicine and Doctor of Medicine (MD)

## **Duration of Studies**

6 Years

## **Total Credits / ECTS**

360

## **Language of Instruction**

English

## **Mission and Vision**

Mission: The goal of our medical education is to guide the formation of enlightened scholars with originality and competence in research, professional services, and teaching. And to achieve our goal utilizing scientific knowledge of high standards in diagnosis and treatment. Our graduates to be physicians whose priority is to establish good communication with their team in ethical standards

Vision: To be amongst the leaders both nationally and internationally.

## **Program Objectives**

We aim for academically excellent, self-motivated physicians with strong research skills and ethical principles, prioritizing community and individual health within national healthcare policies. Program goals include developing compassionate, competent professionals who can provide high-quality care, conduct research, advocate for public health, and continuously improve throughout their careers.

## **Program Learning Outcomes**

The graduates are expected:

- To develop their own knowledge and skills in clinical medicine, and contribute to others' development, through active participation in tutorials and bedside teaching
- To gain an understanding of disease processes in the area of their elective subject, and how these may present
- To appreciate the influence of social and cultural factors in health and illness
- To meet and socialise with other medical students
- To use time and resources effectively
- To understand the organisation of health care provision in their countries

## YEAR 1

### MED101 Introduction to Medical Sciences Committee

#### Learning Outcomes

By the end of the MED 101 Course Committee, students are expected to have developed the knowledge, skills, and attitudes in the following areas:

- The significance of human, societal, and environmental health as core elements of the medical profession
- The historical development of medicine worldwide
- Concepts of deontology and medical ethics
- Social and cultural diversity, with a focus on physician approaches to vulnerable and marginalized groups
- Principles of addiction prevention
- Fundamental concepts in health sociology
- Effective communication skills in healthcare
- Medical terminology
- Anatomical and biochemical concepts that provide the basis for understanding the normal structure and function of the human body
- Basic principles of physical methods used in diagnosis and treatment
- Evidence-based medicine and core biostatistical concepts
- Medical informatics, health technologies, and issues of healthcare access

#### Course Content

The **Communication Skills** course introduces students to the principles of interpersonal communication in medicine. Topics include communication methods, influencing factors, listening and empathy, body language, and personality types. Instruction is delivered through both theoretical and practical sessions. The **Behavioral and Social Skills** course involve the exploration of behavior and interactions among individuals, groups, institutions, and events, examining their impact on the individual, society, and culture. The **Basic Principles of Medical Practice** course examines the aims, philosophy, and definition of medicine, professional risks, key concepts in public health, delivery of health services, aseptic techniques, and substance addictions. Students are also introduced to medical informatics systems and reflect on their first professional observation of patient–physician communication. The **Biostatistics** course provides an introduction to research methodology, experimental design, variables and their relationships, sampling methods, probability distributions, and the concept of statistical significance. The **Deontology** course familiarizes students with the historical development of medicine, its major milestones, and the foundations of medical ethics. The **Medical Terminology** course teaches the structure, rules, and usage of the common language of medicine, illustrated through frequently used examples. The **Systematic Anatomy** course presents the positions of organs within systems, nomenclature, classification, and basic anatomical features, reinforced by practical applications. The **Biophysics** course covers the physical principles of diagnostic methods used in medicine, including ultrasound, endoscopy, X-ray, computed tomography (CT), magnetic resonance imaging (MRI), single-photon emission computed tomography (SPECT), and positron emission tomography (PET). The **Biochemistry** course provides the biochemical foundations necessary for later courses in cell, tissue, and clinical systems. Topics include the structures and chemical bonds of biomolecules, functional groups and reactions, cell membrane structure, biomolecules and their functions, the concept of enzymes, bioenergetics, and oxidative phosphorylation.

## **MED103 Cells and Tissue Systems Committee**

### **Learning Outcomes**

By the end of the MED 103 Course Committee, students are expected to acquire general knowledge and skills in the following areas:

- The normal structure, development, and functions of the cells and tissues that compose the human body
- Mechanisms of cell proliferation, DNA damage, and DNA repair
- Principles of cancer genetics and stem cell biology
- Effects of radiation on cells and tissues
- Metabolic properties of water, proteins, carbohydrates, and lipids, as well as related basic laboratory findings and diagnostic methods
- Anatomical characteristics of bones forming the skeleton
- Concepts of health status, climate change and health, social and global inequalities, and health indicators
- Identification and understanding of priority and disadvantaged groups

### **Course Content**

The **Medical Biology and General Histology** courses introduce methods for examining cells and tissues, including microscopy, cell culture, histochemistry, and immunohistochemistry. Topics include the cytoskeleton, cell organelles and their functions, cell division, intercellular communication, oxidative stress, DNA damage and repair, cell differentiation and apoptosis, cancer biochemistry, stem cell biology, and the biological and histological features of tissues. The **Biophysics** course covers biomolecules, thermodynamic principles, radiation biophysics, radioactivity, the effects of radiation on cells and tissues, and the principles of radiation protection. After the histological study of cartilage and bone tissues, the **Anatomy** course provides theoretical and practical instruction on the anatomical features of bones. The **Medical Biochemistry** course introduces the chemical structures, functions, and metabolism of biomolecules, together with biochemical diagnostic methods. Additional topics include types of genetic material, biosynthesis and metabolism of genetic material, diseases caused by metabolic disorders, nuclear organization, body fluids, pH, and buffer systems. The **Behavioral and Social Skills** course addresses social and global inequalities and health indicators, climate change, globalization and health, health disparities, and issues related to priority and disadvantaged groups. It also covers well-being topics such as physical and mental activity, exercise, oral and dental health, and travel health.

## **MED102 Cells and Tissue Systems Development Committee**

### **Learning Outcomes**

At the end of this course, students are expected :

- to have knowledge of the electrical properties and functions of the structures that make up the body,
- the general regulatory mechanisms of the body,
- the structure of DNA,
- cell proliferation,
- DNA damage and repair mechanisms,
- cancer genetics,
- stem cell biology.

- to gain a general understanding of the formation of reproductive cells,
- fertilization,
- implantation,
- the stages of embryonic development.

### **Course Content**

In this course module, **Genetics** instruction encompasses the human genome architecture, DNA replication, mechanisms of DNA damage and repair, the cell cycle, chromosomal abnormalities, the molecular basis of genetic disorders, cancer genetics, and advanced DNA technologies. **General Embryology** sessions address the formation of male and female gametes, fertilization, implantation, sequential stages of embryonic development, subsequent prenatal development, and potential congenital anomalies. In **Biophysics**, the curriculum explores the electrical properties of the cell membrane, the generation of membrane and action potentials, membrane organization, and the biophysical principles underlying muscle contraction. **Biochemistry** lectures focus on the body's electrolyte and fluid homeostasis, the structure and functional variants of hemoglobin and myoglobin involved in oxygen transport, the chemistry of coagulation, clotting factors, and the mechanisms of hemostasis. Finally, **Physiology** instruction elucidates the general regulatory mechanisms of the body, alongside the fundamental and clinical significance of cellular and tissue structure and function.

### **MED104 Introduction to Clinical Sciences**

#### **Learning Outcomes**

At the end of this course module, students are expected:

- to be able to recognize the general and metabolic characteristics of the body's microbial flora as well as viruses, bacteria, fungi, and parasites;
- understand key pathological processes such as necrosis, apoptosis, inflammation, hemorrhage, hemostasis, shock, and infarction
- acquire knowledge of drug mechanisms of action, dose-response relationships, toxic effects, routes of administration, and rational drug use.
- to comprehend the biopsychosocial approach to patient care, as well as mental states and behavior,
- to gain general knowledge and practical skills necessary for effective intervention in emergency situations.

### **Course Content**

In this course module, **Biophysics** lectures explain the physical laws underlying the function and applications of biological systems. **General Microbiology** provides foundational knowledge on the normal microbial flora and host-microorganism interactions, while also examining the general characteristics of viruses, bacteria, fungi, and parasites, as well as principles of sterilization and disinfection. **General Pathology** covers cell injury, necrosis, and apoptosis, the activation of leukocytes, acute and chronic inflammation, tumor formation and types, and the mechanisms underlying edema, hemorrhage, thrombosis, infarction, shock, and hypertension. In **General Pharmacology**, students learn about routes of drug administration, mechanisms of drug action, dose-response relationships, and rational drug use. **Behavioral Sciences** addresses the biopsychosocial aspects of behavior, consciousness, perception, learning, theories of cognitive development, personality structures, and patient psychology. **First Aid** courses teach the

assessment of vital signs, the importance of first and emergency care, specific interventions in various emergency situations, and basic life support techniques. Finally, in small-group **Professional Skills Practices** sessions, students apply theoretical knowledge from First and Emergency Aid through practical exercises including triage, vital signs assessment, basic life support, and management of foreign body aspiration.

### **First Year Electives Course Content:**

The **Arts and Medicine** course aims to improve and enhance the medical students' observation skills by combining art and medicine to creatively advance patient care. **Artificial Intelligence & Medicine** introduces artificial intelligence, explains its benefits, and discusses where it can be used in medicine. The **Project I** includes how to write a scientific report.

The **Sports & Arts** elective course introduces Sports and healthy living, and gaining painting techniques and skills. **Problem-Based Learning** utilizes hypothetical or real patient cases in small groups to teach problem-solving, critical thinking, and lifelong learning skills, integrating medical sciences, ethics, and professionalism. **Research Project I** elective course introduces how to do a scientific poster and a clear, short oral scientific presentation.

## **YEAR 2**

### **MED201 Musculoskeletal System and Diseases Committee**

#### **Learning Outcomes**

At the end of the MED201 course module, students are expected to:

- Acquire general knowledge of the normal structure, development, and function of the musculoskeletal system.
- Understand the biochemical properties of the musculoskeletal system.
- Learn about the etiopathogenesis, clinical manifestations, basic laboratory and diagnostic findings, and pharmacological treatments of musculoskeletal diseases.
- Gain an understanding of the basic clinical approach to a case.
- Perform fundamental professional skills related to the topic on models through hands-on practice.

#### **Course Content**

Students are provided with general knowledge of the normal structure, development, and function of bones, joints, and muscles in the musculoskeletal system, their biochemical properties, and the etiopathogenesis, clinical manifestations, basic laboratory and diagnostic findings, and pharmacological treatments of related diseases. In small-group Professional Skills Practice sessions, students perform practical procedures such as intramuscular injections, suturing and suture removal, bandaging, and splint application. In Clinical Case Evaluation sessions, conducted as interactive group discussions, students are guided in developing a scientific approach to various clinical cases.

### **MED203 Nervous System and Diseases Committee**

#### **Learning Outcomes**

At the end of the MED 203 course module, students are expected to acquire knowledge, skills, and attitudes regarding:

- The normal structure, development, and function of the nervous system and sensory organs.

- The etiopathogenesis and clinical manifestations of diseases affecting these systems, along with their basic laboratory and diagnostic findings and pharmacological treatments.
- The fundamental principles of clinical case management.
- Stress and stress management.
- Issues related to gender, psychological well-being, and social well-being.

### **Course Content**

Students are provided with a general understanding of the normal structure, development, and function of the nervous system and sensory organs, as well as the etiopathogenesis, clinical manifestations, basic laboratory and diagnostic findings, and pharmacological treatments for related diseases. In Behavioral & Social Skills courses, topics such as gender, psychological and social well-being, and stress are addressed. In small-group Professional Skills Practice sessions, students perform practical procedures including cervical collar application, patient positioning and transfer techniques, and general neurological evaluation. In Clinical Case Evaluation sessions, conducted as interactive group discussions, students are guided in developing a scientific approach to various clinical cases.

### **MED202 Cardiovascular System and Diseases Committee**

#### **Learning Outcomes**

At the end of this course module, students are expected to:

- Acquire general knowledge of the normal structure, development, and function of the cardiovascular system.
- Understand the etiopathogenesis, clinical manifestations, basic laboratory and diagnostic findings, and pharmacological treatments of cardiovascular diseases.
- Gain an understanding of the basic clinical approach to a case.
- Perform fundamental professional skills related to the topic on models or simulators through hands-on practice.

### **Course Content**

Students are provided with general knowledge of the normal structure, development, functions, and pathophysiology of the cardiovascular system, as well as the etiopathogenesis, clinical manifestations, basic laboratory and diagnostic findings, and pharmacological treatments of related diseases. In small-group Professional Skills Practice sessions, students perform practical procedures including intravenous injections, blood sampling and serum administration, arterial, venous, and pulse examinations, ECG interpretation, and cardiac auscultation. In Clinical Case Evaluation sessions, conducted as interactive group discussions, students are guided in developing a scientific approach to various clinical cases.

### **MED204 Respiratory System and Diseases Committee**

#### **Learning Outcomes**

At the end of this course module, students are expected to:

- Acquire knowledge of the normal structure, development, and function of the respiratory system.
- Understand the etiopathogenesis, clinical manifestations, basic laboratory and diagnostic findings, and pharmacological treatments of respiratory diseases.
- Gain an understanding of the basic clinical approach to a case.

- Perform fundamental professional skills related to the topic on models through hands-on practice.

### **Course Content**

Students are provided with general knowledge of the normal structure, development, functions, and pathophysiology of the respiratory system, as well as the etiopathogenesis, clinical manifestations, basic laboratory and diagnostic findings, and pharmacological treatments of related diseases. In small-group Professional Skills Practice sessions, students perform practical procedures including PPD administration and evaluation, interpretation of chest X-rays, and auscultation of lung sounds. In Clinical Case Evaluation sessions, conducted as interactive group discussions, students are guided in developing a scientific approach to various clinical cases. Additionally, tuberculosis, as a significant public health concern, is addressed in a multidisciplinary, interactive panel discussion format.

### **MED 206 Blood-Immune System and Diseases Committee**

#### **Learning Outcomes**

At the end of this course module, students are expected to:

- Acquire general knowledge of the fundamental components, development, and functional mechanisms of the hematopoietic and immune systems.
- Understand the etiopathogenesis, clinical manifestations, basic laboratory and diagnostic findings, and pharmacological treatments of related diseases.
- Gain an understanding of the basic clinical approach to a case.
- Perform fundamental professional skills related to the topic through hands-on practice.

### **Course Content**

Students are provided with general knowledge of the normal structure, development, functions, pathophysiology, and interactions with other systems of the hematopoietic and immune systems, as well as the etiopathogenesis, epidemiology, clinical manifestations, basic laboratory and diagnostic findings, and pharmacological treatments of related diseases. In addition to core immunology topics, detailed information is provided on viral agents affecting the immune system and the diseases they cause. In small-group Professional Skills Practice sessions, students perform practical procedures including peripheral blood smear preparation and evaluation, and tourniquet application. In Clinical Case Evaluation sessions, conducted as interactive group discussions, students are guided in developing a scientific approach to various clinical cases.

### **Second Year Electives Course Content:**

The **MED205 Diseases and Health** course aims to introduce normal and abnormal conditions in the body. The **MED209 Research Project II** includes writing a scientific report.

The **MED214 Occupational Health and Safety in Medicine** elective course introduces knowledge about health and health risks. **MED208 Project II** elective course introduces how to do a scientific poster and a clear, short oral scientific presentation.

## YEAR 3

### **MED 301 Gastrointestinal System and Diseases Committee**

#### **Learning Outcomes**

At the end of this course module, students are expected to:

- Acquire general knowledge of the normal structure, development, and function of the gastrointestinal system.
- Understand the biochemical properties of the gastrointestinal system.
- Learn about the etiopathogenesis, clinical manifestations, basic laboratory and diagnostic findings, and pharmacological treatments of gastrointestinal diseases.
- Gain an understanding of the basic clinical approach to a case.
- Perform fundamental professional skills related to the topic on models or simulators through hands-on practice.

#### **Course Content**

Students are provided with general knowledge of the normal structure, development, and function of the gastrointestinal system, its biochemical properties, and the etiopathogenesis, clinical manifestations, basic laboratory and diagnostic findings, and pharmacological treatments of related diseases. In small-group Professional Skills Practice sessions, students perform practical procedures including nasogastric tube insertion, gastric lavage, digital rectal examination, and fecal occult blood testing. In Clinical Case Evaluation sessions, conducted as interactive group discussions, students are guided in developing a scientific approach to various clinical cases.

### **MED 303 Urogenital System and Diseases Committee**

#### **Learning Outcomes**

At the end of the MED303 course module, students are expected to:

- Acquire knowledge of the inheritance mechanisms and clinical features of common genetic disorders.
- Understand the normal structure, development, and function of the urogenital system.
- Learn about the biochemical properties of the urogenital system.
- Understand the etiopathogenesis, clinical manifestations, basic laboratory and diagnostic findings, and pharmacological treatments of urogenital diseases.
- Gain an understanding of the basic clinical approach to a case.
- Perform fundamental professional skills related to the topic on models or simulators through hands-on practice.

#### **Course Content**

Students are provided with general knowledge of the normal structure, development, and function of the urogenital system, its biochemical properties, and the etiopathogenesis, clinical manifestations, basic laboratory and diagnostic findings, and pharmacological treatments of related diseases. The genetic aspects of clinical conditions affecting other systems are covered within the framework of Medical Genetics lectures in this course module. In small-group Professional Skills Practice sessions, students perform practical procedures including urinary catheterisation in males and females, postpartum maternal care and breastfeeding practices, and breast and axillary examinations. In Clinical Case Evaluation sessions, conducted as interactive group discussions, students are guided in developing a scientific approach to various clinical cases.

## **MED 302 Introduction to the Clinical Practices Committee**

### **Learning Outcomes**

At the end of this course module, students are expected to:

- Reinforce their existing anatomical knowledge through cadaver dissection, integrating it with clinical and regional anatomy approaches.
- Develop an understanding of patient history taking, symptom inquiry, and detailed physical examination, recognising features relevant to different clinical specialities.
- Acquire foundational knowledge in forensic medicine, preparing for training during clinical rotations.
- Learn clinical biostatistical methods applicable to the numerical analysis of problems encountered in clinical practice.
- Gain knowledge and skills in bedside ethical decision-making and problem-solving within the framework of medical ethics.
- Acquire practical skills in semiology by performing examinations on themselves, simulators, standardized patients, or real patients, applying fundamental approaches in a hands-on manner.

### **Course Content**

Students are provided with general knowledge of the development and functions of the endocrine system, the biochemical properties of hormones and vitamins, and the etiopathogenesis, clinical manifestations, basic laboratory and diagnostic findings, and pharmacological treatments of endocrine and metabolic disorders. In small-group Clinical Skills Practice sessions, students participate as observers in clinical ward rounds and outpatient clinic activities. In Clinical Case Evaluation sessions, conducted as interactive group discussions, students are guided in developing a scientific approach to various clinical cases.

## **MED 304 Endocrine System and Diseases Committee**

### **Learning Outcomes**

At the end of this course module, students are expected to:

- Acquire knowledge of the normal structure, development, and function of the respiratory system.
- Understand the etiopathogenesis, clinical manifestations, basic laboratory and diagnostic findings, and pharmacological treatments of respiratory diseases.
- Gain an understanding of the basic clinical approach to a case.
- Perform fundamental professional skills related to the topic on models through hands-on practice.

### **Course Content**

At the end of this course module, students are expected to:

- Acquire general knowledge of the development and functions of the endocrine system, the biochemical properties of hormones and vitamins, and the etiopathogenesis, clinical manifestations, basic laboratory and diagnostic findings, and pharmacological treatments of endocrine and metabolic disorders.
- Gain an understanding of the basic clinical approach to a case.

- Participate in clinical ward rounds and outpatient clinic activities in the Departments of Paediatrics, General Surgery, Internal Medicine, and Obstetrics & Gynaecology, following clinical discipline and protocols.
- Enhance their observational and practical skills in semiology through direct exposure to clinical practice.

### **MED 306 Clinic Microbiology and Infectious Diseases Committee**

#### **Learning Outcomes**

At the end of this course module, students are expected to:

- Acquire general knowledge of microorganisms and the clinical features, basic laboratory findings, diagnostic methods, and chemotherapeutic treatments of common infectious diseases encountered in medical practice.
- Gain an understanding of the basic clinical approach to a case.
- Participate in clinical ward rounds and outpatient clinic activities in the Departments of Pediatrics, General Surgery, Internal Medicine, and Obstetrics & Gynecology, adhering to clinical protocols and discipline.
- Enhance their observational skills and knowledge in semiology through direct exposure to clinical practice.

#### **Course Content**

Provides general knowledge about microorganisms not covered in previous system-based courses, as well as the clinical features, basic laboratory findings, diagnostic methods, and chemotherapeutic treatments of common infectious diseases encountered in medical practice. In small-group Clinical Skills Practice sessions, students participate as observers in clinical ward rounds and outpatient clinic activities. In Clinical Case Evaluation sessions, conducted as interactive group discussions, students are guided in developing a scientific approach to various clinical cases.

#### **Third Year Electives Course Content:**

The **MED305 Medicine and Law** course aims to show the relationship between health care and the legal system. **MED309 Project III** includes writing a scientific report.

The **MED314 Medicine and Ethics** elective course introduces medical ethics that can be applied to clinical practice and research. **MED308 Research Project III** elective course includes a presentation of the research project.

### **YEAR 4-6**

#### **Internship Programmes**

##### **Learning Outcomes**

Develop advanced clinical skills, patient management, effective communication with patients and colleagues, and safe practice within a healthcare team.

##### **Course Content**

Includes mandatory rotations in major clinical areas.

# Curriculum

## Year 1

<b>YEAR 1 FALL SEMESTER</b>					
<b>Module Code</b>	<b>Module Name</b>	<b>M/E</b>	<b>T</b>	<b>P</b>	<b>ECTS</b>
MED101	Introduction to Medical Sciences	M	97	36	
MED103	Cells and Tissue Systems	M	107	50	
COM101	English I	M	42	0	
MED100	Turkish I	M	112	0	
MED109	Project	E	20	8	
MED105	Medicine & Art	E	28	0	
MED107	Artificial Intelligence & Medicine	E	28	0	
<b>Total Mandatory Modules</b>					
<b>Total Elective Modules</b>					
<b>Total Fall Semester Modules</b>					
<b>YEAR 1 SPRING SEMESTER</b>					
<b>Module Code</b>	<b>Module Name</b>	<b>M/E</b>	<b>T</b>	<b>P</b>	<b>ECTS</b>
MED102	Cell and Tissue Systems Development	M	100	24	
MED104	Introduction to Clinical Sciences	M	98	30	
COM110	English II	M	42	0	
MED110	Turkish II	M	112	0	
MED112	Sports & Arts	E	28	0	
MED108	Research Project	E	20	8	
MED114	Problem Based Learning	E	28	0	
<b>Total Mandatory Modules</b>					
<b>Total Elective Modules</b>					
<b>Total Spring Semester Modules</b>					

## Year 2

<b>YEAR 2 FALL SEMESTER</b>					
<b>Module Code</b>	<b>Module Name</b>	<b>M/E</b>	<b>T</b>	<b>P</b>	<b>ECTS</b>
MED201	Musculoskeletal System and Diseases	M	78	24	
MED203	Nervous System and Diseases	M	155	38	
MED200	Turkish III	M	112	0	
MED209	Research Project II	E	20	8	
MED205	Diseases & Health	E	28	0	
<b>Total Mandatory Modules</b>					
<b>Total Elective Modules</b>					
<b>Total Fall Semester Modules</b>					

<b>YEAR 2 SPRING SEMESTER</b>					
<b>Module Code</b>	<b>Module Name</b>	<b>M/E</b>	<b>T</b>	<b>P</b>	<b>ECTS</b>
MED202	Cardiovascular System and Diseases	M	106	30	
MED204	Respiratory System and Diseases	M	79	24	
MED206	Blood-Immune System and Diseases	M	95	32	
MED210	Turkish IV	M	120	0	
MED208	Project II	E	20	8	
MED214	Occupational Health and Safety in Medicine	E	28	0	
<b>Total Mandatory Modules</b>					
<b>Total Elective Modules</b>					
<b>Total Spring Semester Modules</b>					

### Year 3

<b>YEAR 3 FALL SEMESTER</b>					
<b>Module Code</b>	<b>Module Name</b>	<b>M/E</b>	<b>T</b>	<b>P</b>	<b>ECTS</b>
MED301	Gastrointestinal System and Diseases	M	137	34	
MED303	Urogenital System and Diseases	M	132	34	
MED300	Turkish V	M	112	0	
MED309	Project III	E	20	8	
MED305	Medicine and Law	E	28	0	
<b>Total Mandatory Modules</b>					
<b>Total Elective Modules</b>					
<b>Total Fall Semester Modules</b>					

<b>YEAR 3 SPRING SEMESTER</b>					
<b>Module Code</b>	<b>Module Name</b>	<b>M/E</b>	<b>T</b>	<b>P</b>	<b>ECTS</b>
MED302	Introduction to the Clinical Practices	M	91	46	
MED304	Endocrinal System and Diseases	M	110	22	
MED306	Clinic Microbiology and Infectious Diseases	M	78	10	
MED310	Turkish VI	M	112	0	
MED308	Research Project III	E	20	8	
MED314	Medicine and Ethics	E	28	0	
<b>Total Mandatory Modules</b>					
<b>Total Elective Modules</b>					
<b>Total Spring Semester Modules</b>					

## Year 4

<b>YEAR 4 (Internship Period I)</b>				
<b>Mandatory Modules</b>				
<b>Module Code</b>	<b>Module Name</b>	<b>M/E</b>	<b>W</b>	<b>ECTS</b>
MED4XX	Internal Medicine	M	8	
MED4XX	Pediatrics	M	8	
MED4XX	Gynecology and Obstetrics	M	5	
MED4XX	General Surgery	M	5	
MED4XX	Cardiology	M	3	
MED4XX	Anesthesiology and Reanimation	M	2	
MED4XX	Public Health	M	2	
MED4XX	Radiology	M	2	
MED4XX	Nuclear Medicine	M	1	
MED4XX	Pediatric Surgery	M	1	
MED4XX	Cardiovascular Surgery	M	1	
<b>Elective Modules</b>				
<b>Module Code</b>	<b>Module Name</b>	<b>M/E</b>	<b>W</b>	<b>ECTS</b>
ELC403	Elective Internship 1	E	2	
ELC404	Elective Internship 2	E	2	
ELC401	Scientific Article Writing Principles I	E		
ELC403	Scientific Article Writing Principles II			
ELC402	Scientific Article Writing Steps I	E		
ELC404	Scientific Article Writing Steps II			
<b>Total Mandatory Modules</b>				
<b>Total Elective Modules</b>				
<b>TOTAL</b>				

## Year 5

<b>YEAR 5 (Internship Period II)</b>				
<b>Mandatory Modules</b>				
<b>Module Code</b>	<b>Module Name</b>	<b>M/E</b>	<b>W</b>	<b>ECTS</b>
MED5XX	Chest Diseases	M	3	
MED5XX	Physical Medicine and Rehabilitation	M	3	
MED5XX	Neurology	M	3	
MED5XX	Dermatology and Venerology/Thoracic	M	3	
MED5XX	Urology	M	3	
MED5XX	Emergency Medicine	M	2	
MED5XX	Forensic Medicine	M	2	
MED5XX	Ophthalmology	M	2	
MED5XX	Otorhinolaryngology	M	2	
MED5XX	Orthopedics and Traumatology	M	2	
MED5XX	Psychiatry	M	2	
MED5XX	Infectious Diseases and Clinical Microbiology	M	2	
MED5XX	Chest Surgery	M	1	
MED5XX	Radiation Oncology	M	1	
MED5XX	Plastic Reconstructive and Aesthetic Surgery	M	1	
MED5XX	Neurosurgery	M	1	
MED5XX	Child and Adolescent Psychiatry	M	1	
MED5XX	Clinic Pharmacology	M	1	
<b>Elective Modules</b>				
<b>Module Code</b>	<b>Module Name</b>	<b>M/E</b>	<b>W</b>	<b>ECTS</b>
ELC503	Seminar	E		
ELC505	Student Case Presentation	E		
ELC501	Elective Internship 1	E	2	
ELC502	Elective Internship 2	E	2	
<b>Total Mandatory Modules</b>				
<b>Total Elective Modules</b>				
<b>Total Elective Internship</b>				
<b>TOTAL</b>				

## Year 6

<b>YEAR 6 (Intern Period)</b>				
<b>Module Code</b>	<b>Module Name</b>	<b>M/E</b>	<b>Mo</b>	<b>ECTS</b>
MED6XX	Internal Medicine	M	2	
MED6XX	Pediatrics	M	2	
MED6XX	General Surgery	M	2	
MED6XX	Gynecology and Obstetrics	M	1	
MED6XX	Family Medicine	M	1	
MED6XX	Public Health	M	1	
MED6XX	Emergency Medicine	M	1	
MED6XX	Psychiatry	M	1	
MED6XX	Elective Internship	E	1	
<b>Total Mandatory Internship</b>				
<b>Total Elective Internship</b>				
<b>TOTAL</b>				

<b>THE MINIMUM ECTS REQUIRED TO GRADUATE</b>	
<b>Elective Module ECTS</b>	
<b>Mandatory Module ECTS</b>	
<b>Total Module ECTS</b>	

**Abbreviations:**

**ECTS:** European Credit Transfer System

**M/E:** Mandatory/Elective Modules

**Mo:** Monthly Internship Duration

**P:** Practical Hours

**T:** Theory Hours

**W:** Weekly Internship Duration

## **Laboratory and Equipment Capacity (if applicable)**

- Laboratory practices were conducted **face-to-face** during the education.
- The **Moodle** online education platform was frequently used for sharing lecture notes, assignments, and exam grades, as in other faculties and departments.
- For online communication, **Microsoft Teams** and **Moodle** were actively used.
- For each course, instructors created a class on Microsoft Teams to share announcements related to lectures, laboratory practices, and examinations with students.

## Laboratories and Facilities

### *1. Dissection Laboratory*

Purpose: Anatomy education

Infrastructure:

- Ventilation system: Effectively removes formaldehyde and other chemical vapors; equipped with a negative pressure system to prevent odor and airborne contamination.
- Cooling rooms: Temperature-controlled storage rooms for cadavers, adjustable between -5°C and -10°C.
- Dissection tables: Stainless steel, height-adjustable, with integrated waste and fluid drainage channels; automatic cleaning system for hygiene.
- Cadaver storage and processing unit: Preserved with protective chemicals in specialized sealed cabinets.
- Lighting system: High-intensity LED lights with additional focused lighting for detailed dissections.
- Multimedia-supported education tools: High-resolution screen for recording and projecting dissections to other students.

### *2. Simulated Patient Laboratories*

Location: Faculty of Medicine, ground floor

Purpose: Medical history-taking and physical examination training

### *3. First Aid and Emergency Laboratory*

Location: Faculty of Health Sciences, 1st floor

Purpose: Training for first aid and emergency intervention practices

### *4. Biochemistry Laboratory*

Location: Faculty of Pharmacy

Purpose: Practical sessions for Biochemistry courses

### *5. Molecular Biology and Genetics Laboratory*

Location: Faculty of Pharmacy

Purpose: Practical sessions for Medical Biology courses

### *6. Pharmaceutical Chemistry Laboratory*

Location: Faculty of Pharmacy

Purpose: Equipped with microscopes used for Medical Biology and Genetics applications

### *7. Chemistry Laboratory*

Location: Faculty of Pharmacy

Purpose: Used for DNA isolation and Medical Biology–Genetics applications

## **Career Opportunities**

Faculty of Medicine graduates can work in clinical care (after residency), medical research, healthcare administration, public health, education, and the pharmaceutical or medical device industries. The Pharmaceutical Industry conducts clinical trials, in the Ministry of Health, health organisations, including WHO, pursue academic careers at university hospitals and medical schools, or become pharmaceutical or medical instrument representatives.

## **Contact Information**

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## **COURSE CATALOGUE DESCRIPTIONS**

The course catalogue describes the curriculum, which includes the integration of basic sciences and clinical modules on different organs/systems across multiple years. It also outlines a committee system, key dates, total hours, and credits for the modules, as well as the department of committee modules, committee module evaluations, and the syllabus for each course. The internship periods for hands-on patient experience and their evaluations are also described in the catalogue.