YEDİTEPE UNIVERSITY
FACULTY OF MEDICINE
PHASE II
ACADEMIC PROGRAM BOOK
2025 – 2026

Student's;
Name : .....
Number : .....

YEDİTEPE UNIVERSITY

FACULTY OF MEDICINE PHASE II

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COORDINATION COMMITTEE

(TEACHING YEAR 2025 – 2026)

L. Arzu Aral, MD, Ph.D., Prof. (Coordinator)

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ICP-II COORDINATION COMMITTEE

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Duygu ALTIPARMAK, MD Specialist, Instructor (Co-coordinator)

ELECTIVE COURSES COORDINATION COMMITTEE

Seda GÜLEÇ YILMAZ, PhD. Prof. (Coordinator)

Ahmet SAÇ, MD, Ph.D., Lecturer (Co-coordinator)

PBL COORDINATION COMMITTEE

Serdar ÖZDEMİR, MD PhD Assist. Prof. (Coordinator)

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EARLY CLINICAL EXPOSURE COORDINATION COMMITTEE

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Yaşar KÜÇÜKARDALI, MD, Prof. (Coordinator)

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ACADEMIC CALENDAR 2025 – 2026

MED 203 BASIC MEDICAL SCIENCES II

COMMITTEE I CARDIOVASCULAR SYSTEM (6 Weeks)

Beginning of Committee:	September 08, 2025, Monday
End of Committee:	October 16, 2025 Thursday
Committee Exam:	October 16, 2025 Thursday (Theoretical and Practical Exams)
Committee Exam Discussion:	October 16, 2025 Thursday

COMMITTEE II RESPIRATORY SYSTEM (6 Weeks)

Beginning of Committee:	October 20, 2025, Monday
End of Committee:	November 27, 2025, Thursday
Committee Exam:	November 27, 2025, Thursday (Theoretical and Practical Exams)
Committee Exam Discussion:	November 27, 2025, Thursday
Republic Day :	**October 29, 2025, Wednesday**
Commemoration of Atatürk:	**November 10, 2025, Monday**

COMMITTEE III GASTROINTESTINAL SYSTEM (7 Weeks)

Beginning of Committee:	December 1, 2025, Monday
End of Committee:	January 15, 2026, Thursday
Committee Exam:	January 15,2026,Thursday(Theoretical and Practical Exams)
Committee Exam Discussion:	January 16, 2026, Friday
New Year:	**January 1, 2026, Thursday**

MIDTERM BREAK: JANUARY 19- 30, 2026

COMMITTEE IV NERVOUS SYSTEM (8 Weeks)

Beginning of Committee:	February 2, 2026, Monday
End of Committee:	March 27, 2026, Friday
Committee Exam:	March 27, 2026, Friday (Theoretical and Practical Exams)
Committee Exam Discussion:	March 27, 2026, Friday
Physicians' Day:	**March 14, 2026, Saturday**

COMMITTEE V ENDOCRINE and UROGENITAL SYSTEMS (9 Weeks)

Beginning of Committee:	March 30, 2026, Wednesday
End of Committee:	June 05, 2026, Friday
Committee Exam:	June 05, 2026, Friday (Theoretical and Practical Exams)
Committee Exam Discussion:	June 05, 2026, Friday
National Holiday:	**April 23, 2026, Thursday**
Labor's Day:	**May 1, 2026, Friday**
National Holiday:	**May 19, 2026, Tuesday**
Make-up Exam:	June 9, 2026 Tuesday
Final Exam:	June 23, 2026, Tuesday
Incomplete Exam:	July 8, 2026, Wednesday

FREE ELECTIVE COURSES-Spring 2025-2026

Introduction to Elective Courses:	January 09, 2026,	Friday 16:00-18:00 (Online)
Beginning of Elective Courses:	February 06, 2026,	Friday
Midterm Exam:	April 10, 2026,	Friday
End of Elective Courses	June 12, 2026,	Friday
Make-up Exam:	June 17-19, 2026	Wednesday-Friday
Final Exam:	June 24-29, 2026	Wednesday-Monday
Incomplete Exam:	July 13-17, 2026	Monday-Friday

MED 202 INTRODUCTION to CLINICAL PRACTICE II (ICP-II)

Beginning of Course:	September 8, 2025,	Monday
End of Course:	May 22, 2026,	Friday
Midterm Exam:	February 12-13, 2026,	Thursday-Friday
Make-up Exam:	May 13, 2026,	Wednesday
Final Exam:	June 8-9, 2026,	Wednesday-Thursday
Incomplete Exam:	July 3, 2026,	Tuesday

THE COORDINATION COMMITTEE MEETINGS

1st Coordination Committee Meeting:	October 21, 2025,	Tuesday
2nd Coordination Committee Meeting:	January 13, 2026,	Tuesday (With student participation)
3rd Coordination Committee Meeting:	May 12, 2026,	Tuesday (With student participation)
4th Coordination Committee Meeting:	July 21, 2026,	Tuesday

PROGRESS TEST

1st Progress Test: 2 January 2026 Friday (ONLINE)

2nd Progress Test: 13 May 2026 Wednesday (ONLINE)

**Participation in the Progress Test (PT) is compulsory. Students who do not complete the PT will not be eligible to progress to the next phase*

UNDERGRADUATE MEDICAL EDUCATION PROGRAM

YEDİTEPE UNIVERSITY FACULTY OF MEDICINE

AIM OF MEDICAL EDUCATION PROGRAM

*"Consensus Commission Report" based on draft compiled at "*Workshop for Revision of Aim and Outcomes of Medical Education Program at Yeditepe University Faculty of Medicine*"

AIM

The aim of medical education program ***is to graduate physicians*** who

1.0. **are aware of** the local and global health issues

2.0. **have acquired competence** in knowledge, skills and attitudes to manage and provide primary health care service

3.0. **know**, **apply,** and **care** for ethical principles of the medical profession

4.0. **keep up with** current knowledge at national and international level

5.0. **are capable of** systematical thinking

6.0. **are** investigative and questioning

7.0. continually **renovate** and **improve** themselves

8.0. **are capable of** teamwork

9.0. **use** technology competently in medicine and related areas

10.0. **have** effective communication skills

11.0. **have** community leadership qualifications

YEDİTEPE UNIVERSITY FACULTY OF MEDICINE

PROGRAM OUTCOMES OF MEDICAL EDUCATION

YUTF - Undergraduate Medical Education Program was designed to provide our graduates with the competencies that are specified in the National Competencies List of medical graduates (UYYB)*.

UYYB is a national document that indicates the expected/required competencies of the students who are at the stage of graduating from Medical Schools in Turkey.

You can find UYYB from the
link: https://www.yok.gov.tr/Documents/Kurumsal/egitim_ogretim_dairesi/Ulusal-cekirdek-egitimi-programlari/mezuniyet-oncesi-tip-egitimi-cekirdek-egitimi-programi.pdf

COMPETENCE AREA-1 / Professional Practices
COMPETENCE 1.1. Health Service Provider
Competency 1.1.1. Integrates knowledge, skills, and attitudes acquired from basic and clinical medical sciences, behavioral sciences, and social sciences to provide health services.
Competency 1.1.2. Demonstrates a biopsychosocial approach that considers the individual's sociodemographic and sociocultural background without discrimination based on language, religion, race, or gender in patient management.
Competency 1.1.3. Prioritizes the protection and improvement of individuals' and community's health in the delivery of healthcare services.
Competency 1.1.4. Performs the necessary actions in the direction of maintaining and improving the state of health as considering the individual, social, social and environmental factors affecting health.
Competency 1.1.5. Provides health education to healthy/ill individuals and their families, as well as to other healthcare professionals, by recognizing the characteristics, needs, and expectations of the target audience.
Competency 1.1.6. Demonstrates a safe, rational, and effective approach in the processes of protection, diagnosis, treatment, follow-up, and rehabilitation in health service delivery.

Competency 1.1.7. Performs interventional and/or non- interventional procedures safely and effectively for the patient in the processes of diagnosis, treatment, follow-up, and rehabilitation.
Competency 1.1.8. Provides healthcare services considering patient and employee health and safety.
Competency 1.1.9. Considers changes related to the physical and socio-economic environment at both regional and global scales that affect health, as well as changes in the individual characteristics and behaviors of those who seek healthcare services.
COMPETENCE AREA-2 / Professional Values and Approaches
COMPETENCE 2.1. Adopting Professional Ethics and Principles
Competency 2.1.1. Considers good medical practices while performing the profession.
Competency 2.1.2. Fulfills duties and obligations within the framework of ethical principles, rights, and legal responsibilities required by the profession.
Competency 2.1.3. Demonstrates determined behavior in providing high-quality healthcare while considering the patient's integrity.
Competency 2.1.4. Evaluates own performance in professional practices by considering own emotions and cognitive characteristics.
COMPETENCE 2.2. Health Advocate
Competency 2.2.1. Advocates for the improvement of healthcare service delivery by considering the concepts of social accountability and social responsibility in the protection and enhancement of community health.

Competency 2.2.2. Plans and implements service delivery, education, and counseling processes related to individual and community health, in collaboration with all stakeholders, for the protection and improvement of health.
Competency 2.2.3. Evaluates the impact of health policies and practices on individual and community health indicators and advocates for the improvement of healthcare quality.
Competency 2.2.4. Gives importance to protecting and improving own physical, mental, and social health and takes necessary actions for it.
COMPETENCE 2.3. Leader-Manager
Competency 2.3.1. Demonstrates exemplary behavior and leadership within the healthcare team during service delivery.
Competency 2.3.2. Utilizes resources in a cost-effective, socially beneficial, and compliant manner with regulations in the planning, implementation, and evaluation processes of healthcare services as the manager in the healthcare institution.
COMPETENCE 2.4. Team Member
Competency 2.4.1. Communicates effectively within the healthcare team and takes on different team roles as necessary.
Competency 2.4.2. Displays appropriate behaviors while being aware of the duties and responsibilities of healthcare workers within the healthcare team.
Competency 2.4.3. Works collaboratively and effectively with colleagues and other professional groups in professional practice.
COMPETENCE 2.5. Communicator
Competency 2.5.1. Communicates effectively with patients, their families, healthcare professionals, and other occupational groups, institutions and organizations.

Competency 2.5.2. Communicates effectively with individuals and groups who require a special approach and have different sociocultural characteristics.

Competency 2.5.3. Demonstrates a patient-centered approach that involves the patient in decision-making mechanisms during the diagnosis, treatment, follow-up, and rehabilitation processes.
COMPETENCE AREA-3 / Professional and Personal Development
COMPETENCE 3.1. Scientific and Analytical Approach
Competency 3.1.1. Plans and implements scientific research, as necessary, for the population it serves, and utilizes the results obtained, as well as those from other research, for the benefit of the community.
Competency 3.1.2. Accesses and critically evaluates current literature related to their profession.
Competency 3.1.3. Applies evidence-based medicine principles in the clinical decision-making process.
Competency 3.1.4. Uses information technologies to enhance the effectiveness of healthcare, research, and education activities.
COMPETENCE 3.2. Lifelong Learner
Competency 3.2.1. Manages effectively individual study processes and career development.

Competency 3.2.2. Demonstrates skills in acquiring, evaluating, integrating new information with existing knowledge, applying to professional situations, and adapting to changing conditions throughout professional career.
Competency 3.2.3. Selects the right learning resources to improve the quality of health care and organizes the learning process.

INSTRUCTIONAL DESIGN of PRECLINICAL YEARS

In Phase I, II and III, the formation of committees is based on a thematic structure. This structure corresponds to organizational levels of human body such that macromolecule, organelle, cell, tissue, organ systems and finally introduction to pathogenesis.

- Phase I: Normal structure and function of human body at molecular, cellular, tissue and organ level.
- Phase II: Normal structure and function of human body at system and multi-system level, and introduction to pathogenesis.
- Phase III: Physiopathological and pathological processes in human body.

Besides this thematic structure, there is a continuous clinical skills education in Phase I, II and III, as “Introduction to Clinical Practice -I, -II and -III” courses.

Therefore, the core medical courses are;

- Phase I: MED 104 Basic Medical Sciences I, MED 102 Introduction to Clinical Practice I, MED 103 Anatomical Drawing,
- Phase II: MED 203 Basic Medical Sciences II, MED 202 Introduction to Clinical Practice II,
- Phase III: MED 302 Introduction to Clinical Sciences, MED 303 Introduction to Clinical Practice III.

The learning objectives of the phase include learning objectives of core courses. The learning objectives of committees include learning objectives of core courses’ components for the committee.

2025-2026 CURRICULUM OF PHASE II

YEDİTEPE UNIVERSITY FACULTY OF MEDICINE

CODE		SECOND YEAR	W	T	A	L	Y	E
MED	203	Basic Medical Sciences II	38	597		87		53
MED	202	Introduction to Clinical Practice II	35	5	12	18		5
MED	XXX	Free Elective Course[1] (SS)	14	28				2
Total Credits								60

The curriculum applies to 2024-2025 educational term. The duration of educational term for each year is shown in the table as total number of weeks. ECTS credits are the university credits of the courses in Yeditepe University Faculty of Medicine Undergraduate Medical Education Program. 1 ECTS=30 hours of workload including independent study hours per average student. GPA and cGPA calculations are based on ECTS credits.

[1]Free Elective Courses. At least one free elective course offered by the Faculty of Medicine or other faculties must be selected in an academic year. Free elective courses provided by Faculty of Medicine in the first three years: MED 611 Medical Anthropology, MED 612 Creative Drama I, MED 613 Medical Humanities, MED 614 Personal Trademark Development, MED 615 Innovation Management, MED 616 Medical Management and New Services Design Skills, MED 619 Entrepreneurship and Storytelling Techniques for Business Purposes, MED 620 Art, Culture and Life Styles, MED 621 Epidemiological Research and Evidence-Based Medicine, MED 622 Applications of Economics in Health Care, MED 623 Visual Presentation in Medicine, MED 627 Presentation of Medicine on Media, MED 628 Healthy Living:The Milestones of the Life for Performance Management, MED 629 Music and Medicine, MED 630 Health Law, MED 631 Creative Drama II, MED 632 Music Appreciation, MED 633 Communication with Hearing Impaired Patients in Turkish Sign Language, MED 634 Case Based Forensic Science, MED 635 Advanced Level Communication with Hearing Impaired Patients in Turkish Sign Language, MED 636 Art Project, MED 637 Artistic Photography and Composition..

[2]Common Courses. These courses are obligatory in all programs of the university. The university credit values of the common courses are as stated by the University Senate. Except for HUM 103, these courses are not to be included in the GPA and cGPA calculations. Courses on Turkish Language and Culture for Foreigners (AFYA). Based on the result of Turkish Language Proficiency Exam, instead of TKL 201 (FS) and TKL 202 (SS) courses, international students will be requested to take the required ones from the AFYA 101 (FS), AFYA 102 (SS), AFYA 201 (FS) and AFYA 202 (SS) courses, designed for them. Each of these courses have credits as Y=3 and E=5. These courses are not to be included in the GPA and cGPA calculations.

T: Theoretical, A: Application, L: Laboratory, Y: Yeditepe University Credit, E: ECTS Credit

NC: Non-Credit Course, FS: Fall Semester, SS: Spring Semester, W: Weeks.

*Please see *https://med.yeditepe.edu.tr/sites/default/files/curriculum_2023-24_tr.docx* for total curriculum of Faculty of Medicine.

DESCRIPTION and CONTENT of PHASE II

Normal structure and function at system and multi-system level, introduction to pathology.

Cardiovascular System, Respiratory System, Gastrointestinal System, Nervous System, Endocrine and Urogenital System, Introduction to Clinical Practice- II (ICP- II), Scientific Research and Project, Problem-Based Learning, Elective Courses

Anatomy, Physiology, Biochemistry, Histology & Embryology, Microbiology, Immunology, Biophysics, Medical Biology, Pathology, Pharmacology, Biostatistics, Family Medicine, Medical Education, Elective Courses, Scientific Research and Project Course-II.

AIM and LEARNING OBJECTIVES of PHASE II

AIMS

1. to convey knowledge on biophysical, biological, anatomical, embryological, histological, physiological, biochemical, microbiological and immunological conditions of systems, introductory information on tissue damage and neoplasis related to systems, and basic knowledge at the introductory level for clinics**, to equip with** basic clinical skills (interventional or non-interventional) required for the practice of medical profession, and skills for making scientific research presentation

2. to convey complementary educational experiences by improving biopsychosocial approach medical practice

LEARNING OBJECTIVES

At the end of this phase, student should be able to:

KNOWLEDGE

1.0. explain basic medical knowledge for cardiovascular system, respiratory system, circulation, hemodynamics, urogenital system, gastrointestinal system, nervous system, endocrine system, immune system and immunologic response, biostatistics subjects and elective courses.
2.0. explain the operational principles, interactions and relation of the systems in the body.
3.0. of clinical conditions;
  3.1. explain mechanisms of damages formed at molecular, cell, tissue, organ, system and multi-system levels,

  3.2. describe the structural changes caused,

  3.3. list developmental progress in time.

4.0. Among factors that pose risk-to individual and community health;

  4.1. list biological agents,

  4.2. explain their mechanisms of action and outcomes.

5.0. explain basic principles of evidence-based medicine applications.

6.0. know how to discuss scientific articles in the view of literature

7.0. comprehend the biopsychosocial approach in medicine.

8.0. know how to make presentation of a scientific research.

SKILLS

1.0. apply basic interventional and non-interventional processes for taking individual preventive measures, drug application and diagnosis or treatment.

2.0. apply basic laboratory technics and use equipment.

3.0. prepare a presentation of a scientific research

AIM and LEARNING OBJECTIVES of BASIC MEDICAL SCIENCES II

(BMS-II) (MED 203)

AIM

To convey knowledge on biophysical, biological, anatomical, embryological, histological, physiological, biochemical, biostatistics, microbiological and immunological conditions of systems, introductory information on tissue damage and neoplasis related to systems, and basic knowledge at the introductory level for clinics, skills for scientific article presentation

LEARNING OBJECTIVES

At the end of this course, student should be able to:

KNOWLEDGE

1.0. explain basic medical knowledge for cardiovascular system, respiratory system, circulation, hemodynamics, urogenital system, gastrointestinal system, nervous system, endocrine system, immune system and immunologic response, biostatistics subjects.
2.0. explain the operational principles, interactions and relation of the systems in the body.
3.0. of clinical conditions;
    3.1. explain mechanisms of damages formed at molecular, cell, tissue, organ, system and multi-system level,
    3.2. describe the structural changes caused,
    3.3. list developmental progress in time.
4.0. Among factors that pose risk to individual and community health;
    4.1. list biological agents,
    4.2. explain their mechanisms of action and outcomes.
5.0. explain basic principles of evidence-based medicine applications.
6.0. know how to discuss scientific articles in the view of literature
7.0. know how to make presentation of a scientific research.
8.0. comprehend the biopsychosocial approach in medicine.

SKILLS

1.0. apply basic interventional and non-interventional processes for taking individual preventive measures, drug application and diagnosis or treatment.
2.0. apply basic laboratory technics and use equipment.
3.0. prepare a presentation of a scientific research

DESCRIPTION of INTRODUCTION to CLINICAL PRACTICE I, II, and III (ICP-I,-II,-III)

(MED 102, MED 202, MED 303)

AIM of ICP PROGRAM

The aim of Introduction to Clinical Practice Program is to equip the students with basic medical skills and attitudes, in areas such as history taking regarding to systems and in general, physical and mental examination in simulated environments in pre-clinical period and to give the students opportunity to develop skills by applying non –invasive or invasive procedures on the mannequins before encountering with real patients.

Description
ICP is a three year longitudinal course that aims to introduce students to the concepts and main elements of medical practice. It will also be an introduction to the medical profession as a whole and will provide a foundation for clinical practice. The course provides knowledge, cognitive and motor skills and experience in fundamental processes and aspects of medical practice. It involves the application of scientific theory, quality assurance and evidence-based best practice protocols.

Credit Facility
This course has 5 ECTS credits for each of the first three years and all of the students are required to pass this course in order to pass the year.

Content of the ICP I-II-III
First-year medical students gain knowledge on First Aid approaches, Basic Knowledge on Infection Control and Standard Precautions, develop skills in Basic Life Support, Patient/Casualty Transportation and Bandaging Techniques regarding First Aid and handwashing, wearing sterile gloves, wearing masks, assessing vital signs. They also acquire basic knowledge on communication and experience patient-doctor encounter with simulated patients (SP's)*.
The second year's ICP Program consist of modules like nasogastric intubation; bladder catheterization; intramuscular, subcutaneous, intradermal and intravenous injections; intravenous catheterization as well as intraarterial blood sampling.
In the third year medical students practice with SP's clinical skills like history taking and physical examination focused on body systems and in general and also mental examination. They also gain clinical skills such as suturing techniques and Advanced Cardiac Life Support.

Clinical Skills Laboratory
The Clinical Skills Laboratory is designed for teaching and assessing students at undergraduate level (during the preclinical period from first-year to third year). The lab provides learners with the ideal setting to practice the clinical skills of history taking, physical examination, communication, and gives opportunities to practice invasive and non invasive procedural skills on mannequins.
Each OSCE room is equipped with video cameras and microphones to record the encounter. An observation area at the center of the lab allows faculty and students to observe the encounters live or view digital recordings for subsequent analysis.

***Simulated Patients (SPs)**
The simulated patient encounters fascilitate transfer of the gained theoretical knowledge to practice in simulated environments. SPs are usually, but not necessarily, lay people who are trained to portray a patient with a specific condition in a realistic way, sometimes in a standardized way (where they give a consistent presentation which does not vary from student to student). SPs are used for teaching and assessment of consultation and clinical/physical examination skills, in simulated teaching environments or in situ. (*Cleland JA, Abe K, Rethans JJ. The use of simulated patients in medical education: AMEE Guide No 42. Med Teach. 2009 Jun;31(6):477-86. doi: 10.1080/01421590903002821. PMID: 19811162.*)

Assessment
The Assessment procedure of ICP is given in the Assessment Table in this booklet.

Rules for Attendance of the Students
Students are grouped into 4 or 5 and group lists are announced to the class and also displayed in the ICP Lab announcement board at the beginning of the year. Any changes to practical groups on a week by week basis, will only be considered in exceptional situations such as a medical one. Any changes must be requested by a petition along with relevant documentation to the deanary. Any change in sessions will only be accepted interchangeably with another student in another group based on availability of work spaces and course coordinator's discretion (based on evidence provided).
Students are required to follow the rules of professional ethics in the laboratory at any time.

Program Evaluation
Each Semester students are required to fill out a feedback form according the ICP Program. When an OSCE is conducted both students and faculty members complete a written evaluation of the event for the improvement of the course and OSCE.

AIM and LEARNING OBJECTIVES of INTRODUCTION to CLINICAL PRACTICE II (ICP-II) (MED 202)

AIM

1. **To equip with** basic interventional skills (nasogastric tube and urinary catheter application; intramuscular, intradermal and subcutaneous injection, intravenous cannulation, intraarterial Blood Sampling).

LEARNING OBJECTIVES

At the end of this phase, student should be able to:

KNOWLEDGE

1. **count** nasogastric tube types, application indications, contraindications and the steps in application procedure**.**
2. **count** urinary catheter types, application indications, contraindications and the steps in application**.**
3.**count** application indications, contraindications and the steps in application procedure of intramuscular, intradermal and subcutaneous injections**.**
4. **count** application indications, contraindications and the steps in application procedure of intravenous injections and intravenous cannulation**.**
5. **count** application indications, contraindications and the steps in application procedure of intraarterial blood sampling

SKILLS

1. **perform** nasogastric tube application on an adult model in accordance with the skill procedure**.**
2. **perform** urinary catheter application in an adult female and male model in accordance with the skill procedure**.**
3. **perform** intramuscular, intradermal, subcutaneous and intravenous injection as well as intravenous cannulation applications in an adult model in accordance with the skill procedure**.**
4. **perform** intramuscular, intradermal, subcutaneous and intravenous injection in an adult model in accordance with the skill procedure.
5. **perform** intravenous injection and intravenous cannulation applications in an adult model in accordance with the skill procedure.
6. **perform** intraarterial blood sampling in an adult model in accordance with the skill procedure.
7. **describe** the process to be carried out to the patient before any intervention**.**

ATTITUDE

1. **value** the importance of informed consent
2. **pay** attention to patient privacy
3. **value** the importance of not exceeding the limits of his/her own competency level.
4. **pay** attention to follow laboratory rules
5. **pay** attention to keep patient records regularly and properly
6. **apply** hand hygiene before and after each procedure
7. **apply** standard precaution before, during and after each procedure

EARLY CLINICAL EXPOSURE

Description:
The training program includes Phase II students' learning activities in clinical settings including primary care during the Spring semester.

Aim:
The aim of "Early Clinical Exposure" Educational Program is the observation of doctor-patient communication on the job in the clinical settings as well as in primary care by Phase II students, and after interviewing a patient.

Learning Environment:

1. Yeditepe University Hospital (Kozyatağı)
   a. Outpatient Clinic
   b. Inpatient Clinic
   c. Emergency Department

2. Yeditepe University Student Health Center (SHC)

3. Family Health Center (FHC)

Duration:
The education program is spread over a total of 5 weeks.

Objectives of the Training:
Students who complete the training program will be able to;

Knowledge:

- explain the steps of the patient-doctor interview.
- explain the history taking steps from the patients.
- explain the examination of vital signs and systemic examination.
- explain the role of clinical settings in daily functioning and health personnel, including primary care.
- list the administrative units in hospitals (consultant, hospital director, nursing director, quality management, patient safety unit) and function.
- explain the components of medical records.

Skills:

- start the interview with the patient.
- ask the patient's socio-demographic characteristics and record.
- question the main complaint and records.
- take a medical history from the patient.
- keep medical records on patients' files.
- inform the patient about the basic steps of patient-physician interview.

Attitude:

- develop awareness to act respectful and attentive to patients, their relatives and healthcare providers.

Content:

- Meeting with the patient, learning problems, giving information about the process
- Observing the history taking and physical examination
- Observing the planning of tests for diagnosis
- Observing the planning stages of treatment
- Observing the process of admission to the hospital
- Observing the Clinical process
- Observing the work area of health care workers in the hospital
- Observing certain units and functions on-site in the hospital

Instructional Methods:
Living an Experience-Field Trip–Clinical Setting (each student should encounter at least four patients in being presence twice in the clinical setting)

Educational Materials:
Checklists for the patient-physician interview (to be used during student observation)

Assessment
These assessments are made by the Coordinators of Early Clinical Experience.

The effect of ECE educational program will be considered as 10% of the ICP score.

Organization of Student Groups:
The student cycle of Phase II will be in synchronization with the ICP program.
Phase II coordinator will send the student list for the scheduled hours of training a week before the training to ECE coordinators.
Students should be in the clinical setting on the day of training during the ICP II Program.

	Group A	Group B	Group C	Group D	Group E
2 APR 2026	FHC	SHC	SRPC	Yeditepe University Hospital, Kozyatağı	ICP
9 APR 2026	ICP	FHC	SRCP	SHC	Yeditepe University Hospital, Kozyatağı
16 APR 2026	SHC	ICP	Yeditepe University Hospital, Kozyatağı	SRPC	FHC
30 APR 2026		Yeditepe University Hospital, Kozyatağı	ICP		SRPC
7 MAY 2026	SRPC	SHC	FHC	ICP	SHC
14 MAY 2026	Yeditepe University Hospital, Kozyatağı	SRPC	SHC	FHC	ICP

MED 202 ICP II COURSE 2025-2026 ACADEMIC PROGRAM			
DAY	**HOUR**	**SUBJECT**	**LECTURER**
11-SEP-2025 THURSDAY	**14:00-17:50**	**CSL: Intramuscular Injection / Intradermal / Subcutaneous Injection Group A**	**Dr. Tümay Sadıkoğlu / Dr. Duygu Altıparmak/ Dr. Güler Ünver**
18-SEP-2025 THURSDAY	**14:00-17:50**	**CSL: Intramuscular Injection / Intradermal / Subcutaneous Injection Group B**	**Dr. Tümay Sadıkoğlu / Dr. Duygu Altıparmak/ Dr. Güler Ünver**
25-SEP-2025 THURSDAY	**14:00-17:50**	**CSL: Intramuscular Injection / Intradermal / Subcutan Injection Group C**	**Dr. Tümay Sadıkoğlu / Dr. Duygu Altıparmak/ Dr. Güler Ünver**
02-OCT-2025 THURSDAY	**14:00-17:50**	**CSL: Intramuscular Injection / Intradermal / Subcutaneous Injection Group D**	**Dr. Tümay Sadıkoğlu / Dr. Duygu Altıparmak/ Dr. Güler Ünver**
09-OCT-2025 THURSDAY	**14:00-17:50**	**CSL: Intramuscular Injection / Intradermal / Subcutaneous Injection Group E**	**Dr. Tümay Sadıkoğlu / Dr. Duygu Altıparmak/ Dr. Güler Ünver**
23-OCT-2025 THURSDAY	**14.00-17.50**	**Intravenous Cannulation Group A**	**A. Eceviz / F.A.Gültekin**
30-OCT-2025 THURSDAY	**14.00-17.50**	**Intravenous Cannulation Group B**	**C. Şimşek / D. Tav Şimşek**

06-NOV-2025 THURSDAY	**14.00-17.50**	**Intravenous Cannulation Group C**	**M. Yazıcıoğlu / R. Sarıyıldız**
13-NOV-2025 THURSDAY	**14.00-17.50**	**Intravenous Cannulation Group D**	**E.G. Gencer / F.A. Gültekin**
20-NOV-2025 THURSDAY	**14.00-17.50**	**Intravenous Cannulation Group E**	**H. Candemir Ercan / R. Sarıyıldız**
04-DEC-2025 THURSDAY	**14.00-17.50**	**CSL: Nasogastric Tube Administration Group A**	**Dr. Tümay Sadıkoğlu / Dr. Duygu Altıparmak/ Dr. Güler Ünver**
11-DEC-2025 THURSDAY	**14.00-17.50**	**CSL: Nasogastric Tube Administration Group B**	**Dr. Tümay Sadıkoğlu / Dr. Duygu Altıparmak/ Dr. Güler Ünver**
18-DEC-2025 THURSDAY	**14.00-17.50**	**CSL: Nasogastric Tube Administration Group C**	**Dr. Tümay Sadıkoğlu / Dr. Duygu Altıparmak/ Dr. Güler Ünver**
25-DEC-2025 THURSDAY	**14.00-17.50**	**CSL: Nasogastric Tube Administration Group D**	**Dr. Tümay Sadıkoğlu / Dr. Duygu Altıparmak/ Dr. Güler Ünver**
08-JAN-2026 THURSDAY	**14.00-17.50**	**CSL: Nasogastric Tube Administration Group E**	**Dr. Tümay Sadıkoğlu / Dr. Duygu Altıparmak/ Dr. Güler Ünver**

11-FEB-2026 **MONDAY**	**09.00-11.50**	**REVIEW LAB**	
12-13-FEB-2026 **THURSDAY, FRIDAY**	**09:00-17:50**	**OSCE-II MIDTERM**	
19-FEB-2026 **THURSDAY**	**14:0-17:50**	**Intraarterial Blood Sampling Group A**	**Dr. Ezgi Aytaç**
26-FEB-2026 **THURSDAY**	**14:00-17:50**	**Intraarterial Blood Sampling Group B**	**Dr. Ezgi Aytaç**
5-MAR-2026 **THURSDAY**	**14:00-17:50**	**Intraarterial Blood Sampling Group C**	**Dr. Ezgi Aytaç**
12-MAR-2026 **THURSDAY**	**14:00-17:50**	**Intraarterial Blood Sampling Group D**	**Dr. Ezgi Aytaç**
2-APR-2026 **THURSDAY**	**14:00-17:50**	**Intraarterial Blood Sampling Group E**	**Dr. Ezgi Aytaç**
9-APR-2026 **THURSDAY**	**14:00-17:50**	**Bladder Catheterization** **Group A**	**C. Şimşek / D. Tav Şimşek**
16-APR-2026 **THURSDAY**	**14:00-17:50**	**Bladder Catheterization Group B**	**M. Yazıcıoğlu/ F.A. Gültekin**

30-APR-2026 THURSDAY	**14:00-17:50**	**Bladder Catheterization Group C**	**A. Eceviz / R. Sarıyıldız**
7-MAY-2026 THURSDAY	**14:00-17:50**	**Bladder Catheterization Group D**	**E.G. Gencer / F.A. Gültekin**
14-MAY-2026 THURSDAY	**14:00-17:50**	**Bladder Catheterization Group E**	**H. Candemir Ercan / R. Sarıyıldız**
Midterm Exam: February 12-13, 2026 Wedneyday-Thursday Make-up Exam: May 13, 2026 Wedneyday Final Exam: June 08-09, 2026 Monday-Tuesday Incomplete Exam: July 3, 2026 Friday			

AIM and LEARNING OBJECTIVES of SCIENTIFIC RESEARCH and PROJECT COURSE– II

AIM

The aim of the Scientific Research and Project Course– II (SRPC) is to equip second-year medical students to convey basic knowledge of scientific research and methodology, to equip them with skills in searching scientific literature from different reliable sources, and then convey students' knowledge and skills to write a scientific review paper and present it as a poster.

LEARNING OBJECTIVES

At the end of this phase, students should be able to:

KNOWLEDGE

1.0. find reliable scientific research articles and literature from different sources
2.0. decide on a topic of interest related to scientific research
3.0. explain the structure of a scientific review paper
4.0. Explain the different types of review papers
5.0. explain the basic structure of the poster presentation
6.0. present a review or research paper as a poster

SKILLS

1.0. decide on the topic of scientific research interest
2.0. browse reliable sources to find reliable scientific literature
3.0. write a review paper
4.0. prepare poster

The Scientific Research and Project Course (SRPC)

Aim, objectives, and explanation of the course

The Scientific Research and Project Course (SRPC) is crafted to offer medical students the chance to dive into research that is based on hypotheses, aiming to boost their analytical thinking abilities, increase their intellectual sharpness, and encourage a deeper sense of curiosity. It is designed to nurture top-notch skills in research, clinical, and teaching scholars. Students will explore various topics across different fields, including the biomedical sciences, clinical sciences, humanities, arts, and more. Additionally, students will learn and implement key professional values, ethical standards, communication strategies, and teamwork skills throughout their research journey.

The purpose of the course is to introduce students to the scientific inquiry process, showing them how to pose questions that can be answered and the methods needed to find the right answers. The SRPC is integrated into the medical school education and curriculum.

The discussion section of a scientific manuscript is essential for interpreting the study's findings and placing them in the context of existing medical knowledge. It teaches medical students to think critically, assess limitations, and understand the broader implications of research. By connecting results to clinical practice, it helps bridge the gap between science and patient care. Additionally, it encourages reflection on what questions remain unanswered, guiding future research.

- Identify a significant scientific or clinical question to explore.
- Review, analyze, and use scientific literature related to the selected question.
- Critical evaluation and discussion of a scientific article in journal discussion.

- Create a project hypothesis based on the latest research and theories in the scientific area.
- Discover suitable methods to tackle the question, following established standards in the relevant disciplines.
- Plan, carry out, and analyze the outcomes of their projects, focusing on the question and hypothesis.
- Determine how the project connects to medicine and healthcare.
- Express ideas clearly through speaking and writing.
- Uphold ethical standards and professionalism throughout the project.

The SRPC is designed to ignite curiosity, enhance understanding, and encourage research activities among students in their undergraduate medical studies. To accomplish these objectives, the SRPC program is structured into three main parts:

1. A classroom-based part that includes lectures, small group study & discussions, and collaborative learning activities,

2. Guidance from teachers in acquiring the abilities needed to create and articulate a research question, a related hypothesis, and the approach to carry out the research,

3. A student project.

Instructional methods

Team-based learning (TBL) will be used as an active learning strategy for SRPC to promote critical thinking, knowledge application, teamwork, and collaboration. Each TBL session should include pre-reading materials for students to review before attending the class. These materials should help students grasp the fundamental ideas of the session. Instructors will outline the goals of the session before or during the readings and create tests to assess these goals. When students arrive for the TBL session, they will take an Individual Readiness Assurance Test (IRAT). This test ensures each student has understood the assigned readings and is usually a true/false/multiple-choice quiz (20% of final grade). Students may also have a Team Readiness Assurance Test (TRAT) at the start of class to address any misunderstandings or issues (20% of final grade). The instructor will look for any misunderstandings and promote discussions but will not provide answers or solutions, instead focusing on explaining complex concepts as necessary. Students will be responsible for their own homework (60% of final grade), as their individual scores will be factored into their final score for SRPC.

ASSESSMENT PROCEDURE

For the assessments of the medical students for the SRPC, it is calculated out of 100 points; 60% of the total grade will be on enlarged abstract writing (600 words) and drawing a graphical abstract by the end of the first semester **(TBA)** and 60% will be on poster presentation at the end of the second semester **(TBA)**. Poster presentation will be held on June 8, 2026.

	Percentage of final grade
Individual Readiness Assurance Test (IRAT) and journal discussion	10%
Team Readiness Assurance Test (TRAT) and journal discussion	10%
Homework	80%

Any assignments, including enlarged abstract writing, drawing graphical abstract, and poster presentation, should be done by the student herself or himself and should not be “copied and pasted” by others. Similarities of more than 35% in Turnitin or a similar search engine will be considered plagiarism, and students (the ones who give and the ones who receive) will get zero (0) points for the total score for the SRP course.

Students are strongly encouraged to attend the small group meetings and discussions since it will help them to complete the tasks on time. Students could attend only in their small groups. Attending with other small groups will be considered absent.

The constraints of the Assignments will be discussed in Small Group Study hours. During these sessions, students can discuss related issues and ask questions.

The Scientific Research and Projects has 3% contribution to Term Score (TS).

Please note that you may only attend Small Group Study hours in the assigned group hours. A list of groups will be published during the first week of the term. There will be no acceptance of assignments after the pre-scheduled dates.

Turning in assignments on time: Any assignments given by the instructor should be turned in on the date and time decided by the instructor. Assignments turned in after the deadline will not be accepted, and students will receive zero points.

Note: The instructor has the right to change the assignments and assessment portions of the assignments.

ASSESSMENT PROCEDURE

The Assessment Procedure of Phase II covers exams and scores and their abbreviations shown below.

1. Exams:
    - Committee Exam (CE)
    - Mid-term Exam (MTE)
    - Final Exam (FE)
    - Incomplete Exam (ICE)
    - Make-up Exam (MUE)
2. Scores*:
    - Committee Score (CS)
    - Committees Mean Score (CMS)
    - Introduction to Clinical Practice Score (ICPS)
    - Anatomical Drawing Score (ADS)
    - Common Compulsory Course Score (CCCSs)
    - Elective Course Score (ECSs)
    - Scientific Research and PROJECT Score (SRPCS)
    - Final Exam Score (FES)
    - Incomplete Exam Score (ICES)
    - Term Score (TS)

Assessment approaches, assessment methods and assessment tools, that related with the exam and score types, are shown below table.

Assessment Approaches	**Assessment Methods**	**Question Types / Assessment Tools**	**Exams**	**Derived Scores**
Knowledge-based Assessment	WE: Written Examination	MCQ: Multiple Choice Questions	CE, MTE, FE, ICE	CS, ICPS, FES, ICES, ECSs, SRPCS
		SbMCQ: Scenario-based MCQs	CE, MTE, FE, ICE	CS, ICPS, FES, ICES
		FSAQ: Fill-in-the- Blank Short Answer Questions	MUE	CS
Competency–based Assessment	OSCE: Objective Structured Clinical Examination	OSCE Checklist		ICPS
	OSPE: Objective Structured Practical Examination	OSPE Checklist		CS
	LPE: Laboratory Practical Exam	LPE Checklist FSAQ: Fill-in-the- Blank Short Answer Questions* MCQ: Multiple Choice Questions* SEQ: Short Essay Questions*		CS
Performance–based Assessment	PWPE: Review Writing and Presenting Evaluation	PWPE Checklist		ECSs
	AID: Anatomical Images Drawing			ADS
	PBL-P: Evaluation of PBL Student's Performance	PBL Student Evaluation Form		CS

Exams Information (MED 202, MED 203)	
CE	For the proportional correspondence of individual learning objectives, please see the committee's assessment matrix table/page.
MTE$_{ICP}$	MTE$_{ICP}$ consists of MCQs that assess the theoretical part of the ICP program.
FE	FE consists of 200 MCQs. For the proportional contribution of each committee, please see the committee's question distribution table/page.
ICE	ICE consists of 200 MCQs. For the proportional contribution of each committee, please see the committee's question distribution table/page.
MUE$_{IBS}$	MUE will be held only twice in a term. MUE consists of FSAQs. The number of FSAQs is half of the relevant exam. MUE content will be developed by the coordination committees.

Scores Information (MED 202, MED 203, MED 103, HUM 103, TKL 201, TKL 202, HTR 301, HTR 302, Elective Courses)	
CS	The committee score is based on various question types/numbers and/or assessment tools (MCQ, SbMCQ, or Checklists). Please see the committee's assessment matrix table/page for the specifications. The contribution of students' performance during PBL sessions to CSs of Committee II, III, IV, and V is **5%.**
CMS	= Average of CSs
ICPS	= 10% ECE+45% MT OSCE + 45% Final OSCE
ADS	= (70% AID$_{AD}$) + (30% FE$_{AD}$)
CCCSs	= Score information will be announced by the Course Coordinator.
ECSs	= Score information is shown on pages of Elective Courses in the APB.
SRPCS	= Score information is shown on the assessment page of Scientific Research and Projects
FES	= Final Exam Score
ICES	= Incomplete Exam Score
TS *for students who are exempted from FE*	= 97% of CMS + 3% of SRPCS
TS *for students who are not exempted from FE*	= 97% of (60% of CMS + 40% of FES or ICES) + 3% of SRPCS

Pass or Fail Calculations of the Courses
Basic Medical Sciences II (MED 203)
Pass; *TS* $\geq$ ***60*** ***Fail;*** *FES* ***< 50*** *(barrier point), ICES* ***< 50*** *(barrier point), or/and TS* ***< 60*** *The student is exempted from FE, if the CMS is* $\geq$ ***80*** *and all CSs are* $\geq$ ***60***

The FE and ICE barrier point is not applied to the students whose all CSs are ≥ ***60***
Introduction to Clinical Practice II (MED 202)
Pass; *ICPS ≥* ***60*** ***Fail;*** *ICPS* ***< 60***
Anatomical Drawing (MED 103)
Pass; *ADS ≥* ***60*** ***Fail;*** *ADS* ***< 60***
Common Compulsory Courses **(HUM 103, TKL 201, TKL 202, HTR 301, HTR 302, AFYA 101, AFYA 102)**
Pass; *CCCSs ≥* ***50*** ***Fail;*** *CCCSs* ***< 50***
Elective Courses **(MED 611, MED 612, MED 613, MED 614, MED 615, MED 616, MED 619, MED 620, MED 621, MED 622, MED 623, MED 627, MED 628, MED 629, MED 630, MED 631, MED 632, MED 633, MED 634, MED635, MED 636, MED637)**

The Assessment Procedure of the Phase II will be announced and explained in the introductory session at the beginning of the academic year.
** All scores have a range of 0-100 points*.

Definitions of the Assessment Methods and Question Types

MCQ consists of a question followed by five plausible alternative responses from which the student has to select the correct one.

SbMCQ is a kind of multiple-choice question. They test knowledge in a far more applied, in-depth sense. SbMCQ is based on a clinical, research, or daily life scenario.

SEQ is a written examination that requires an answer in a sentence, paragraph, or short composition.

FSAQ, Fill-in-the-Blank Short Answer Questions are typically composed of a brief prompt that demands a written answer that varies in length from one or two words to a sentence.

OE is a practice in many schools of medicine and disciplines where an examiner poses questions to the student in spoken form. The student has to answer the question in such a way as to demonstrate sufficient knowledge of the subject to pass the exam.

OSCE describes a form of competency-based assessment used to measure a student's clinical competence. During an OSCE, students are observed and evaluated as they go through a series of stations in which they perform professional skills on mannequins or interview, examine, and treat simulated patients who present with some type of medical problem.

OSPE is used as an objective instrument for the assessment of laboratory exercises in preclinical sciences.

It was adapted from the objective structured clinical examination (OSCE). OSPE has implemented in similarly conditions with OSCE.

LPE is included as it has been a traditional assessment format in many schools of medicine – particularly in disciplines such as anatomy, physiology, pathology and biology. Various local terms are used to describe this Assessment method including 'Spot', 'Steeplechase', 'Timed stations' or 'Bellringer'.

Grades

A letter grade is given to the students as a success grade, from the numerical values of the grades given by the relevant teaching staff for each course they take, taking into account the practice, laboratory and similar studies in the semester and examinations and academic activities.
Grades and Letter grades are shown for MED-coded courses* in the following table:

Grades	**Letter Grades**
90-100	AA
80-89	BA
70-79	BB
65-69	CB
60-64	CC
59 or less	FF (Fail in the context of "Pass or Fail Calculations of the Courses" table pp.31)
0	FA (Fail due to nonattendance to the courses)

* Please see https://med.yeditepe.edu.tr/tr/mezuniyet-oncesi-tip-egitimi for more information.

RULES FOR COURSE ATTENDANCE OF THE STUDENTS

General Rules:

Students must attend all theoretical and practical sessions such as laboratory work, discussions, seminars, and area and clinical studies of courses for the term they are enrolled in. Students whose absenteeism in the theoretical and/or practical sessions exceeds 20% are not admitted to term final and incomplete examinations of the courses.

Phase I, II, and III:

BMS I, BMS II, and ICS course committees

1- It is mandatory for Term 1, 2 and 3 students to attend theoretical and practical/laboratory studies in all committees during the academic year they are registered. Students who do not attend more than 20% of the theoretical lectures of the committee and/or more than 20% of the practical/laboratory studies with or without an excuse, will not be admitted to the Committee exams (practical and theoretical).

2- If a student whose absences exceed 20% has an excuse, and submits this to the Deanry with a petition within the statutory period, their situation will be evaluated by the Board of Directors of the Faculty of Medicine. If they have a legitimate and valid excuse, they will be allowed to take a make-up exam by the relevant committee at the end of the academic year, provided that their total absences throughout the year do not exceed 20%. These students must make up for their missing practicals/laboratory works until the end of the year on the day and time specified by the faculty member, within the possibilities of the relevant department.

3- Students who cannot attend the laboratory/practical studies included in the committee due to an excuse must make up for the laboratory/practical studies they could not attend on the day and time specified by the instructor, within the scope of departmental possibilities, provided that their absences do not exceed 20% and that they have a justified and valid excuse. Students must submit a petition about the excuses to the Deanery within the three days. Students who are absent from the laboratory/practical studies and do not make up for these studies cannot take the practical and theoretical exams of the relevant committee.

For more information: https://yeditepe.edu.tr/sites/default/files/2023-02/yeditepe_university_faculty_of_medicine_training-instruction_and_examination_regulation.pdf

EXAM RULES

- **Seating-** Students will be seated by the exam observers or proctors. Students are not allowed to change their seats without permission.
- **Electronics** – During examinations or tests, students are prohibited from using electronic devices or any other means of communication and recording that have not been approved beforehand. All electronic devices are prohibited. Anyone who fails to comply with these regulations may be charged with academic fraud.
- **Absence** – No additional time will be given to students who are absent for part of the exam, regardless of the reason for their absence.
- **Scratch Paper** – Students are not allowed to bring scratch paper into the exam room.
- **Meaning of Questions** – Students may not consult the supervisor as to the meaning of any question.
- **Signature** – Students must sign their multiple-choice answer sheets and/or written-answer sheets.
- **Other activities requiring disciplinary action**-
    - Students must not give or receive assistance of any kind during the exam.
    - Gaining access to exam questions before the exam.
    - Using an unauthorized calculator or other mechanical aid that is not permitted.
    - Looking in the exam book before the signal to begin is given.
    - Marking or otherwise writing on the exam book or answer sheet before the signal to begin is given.
    - Making any changes, additions, deletions or other marking, erasing or writing on the exam book or answer sheet after the time for the exam has expired.
    - Having access to or consulting notes or books during the exam.
    - Looking at or copying from another student's paper.
    - Enabling another student to copy from one's paper.
    - Talking or otherwise communicating with another student during the exam or during the read through period.
    - Disturbing other students during the exam.
    - Consulting other persons or resources outside the exam room during the exam.
    - Copying questions or answers either on paper or with an electronic device to take from the exam room.
    - Taking an exam book or other exam materials from the exam room.
    - Taking an exam in place of another student.
    - Arranging to have another person take an exam for the student.
    - Disobeying to the conduct of supervisor during the exam.
    - Disclosing the contents of an exam to any other person.
    - Failing to remain in the exam room for a given period of time by the supervisors.
    - Failing to follow other exam instructions.

Those students found to have committed academic misconduct will face administrative sanctions imposed by the administration of Yeditepe University Faculty of Medicine according to the disciplinary rules and regulations of the Turkish Higher Education Council (YÖK) for students (published in the Official Journal on August 18th, 2012). The standard administrative sanctions include, the creation of a disciplinary record which will be checked by graduate and professional life, result in grade "F" on the assignment, exams or tests or in the class. Students may face suspension and dismissal from the Yeditepe University **for up to one school year**. In addition, student may lose any academic and nonacademic scholarships given by the Yeditepe University **for up to four years**. The appropriate sanctions are determined by the Yeditepe University administration according to egregiousness of the Policy violation.

PROGRESS TEST

Progress test (PT) assesses students on topics from all medical disciplines. As an assessment tool in medical education, the PT offers some distinctive characteristics that set it apart from other types of assessment. It is administered to all students in the medical program at the same time and at regular intervals (usually twice a year) throughout the entire academic program. The test samples the complete knowledge domain expected that a student to have on graduation, regardless of which grade the student is at. The scores provide beginning-to-end and curriculum-independent assessments of the objectives for the entire medical program. The purpose of the PT as a formative or summative test is variably used across institutions.

In YUTF, PT is applied according to the following principles and rules.

Purpose

- In YUTF, PT is used for formative purposes.
- PT is conducted to allow students to see their progress in knowledge levels throughout their medical education.

Obligation

- PT is mandatory for all students.

Frequency and Timing

- PT is performed twice a year.
- Each student will have received a total of 12 PTs by the end of the Phase 6.
- In a year; the first PT is done in the middle and the second PT is done at the end of the term.
- PT dates are announced by the Phase Coordinator.

Implementation

- PT is performed online via EYS.

Content

- PT consists of 200 multiple-choice questions.
- 100 of them are related to the preclinical period and the rest 100 are related to the clinical period.
- The ratio of the questions to be asked according to the disciplines is announced to the students before PT.
- All students from 1st to 6th Phase are to answer the same questions.

Feedback

- A report is sent to each student after each PT.
- The report includes how many questions the student answered correctly in each discipline and their progress against the previous PT.
- Students can also view their ranking within their class and within the entire school.

Benefits

- PT gives students the opportunity to see their progress throughout their medical education.
- PT provides opportunities for students to prepare for other exams (Committee, Clerkship, TUS, USMLE, etc.).
- As questions are often enhanced with a real-life problem, PT contributes to students' problem-solving skills. This question type is preferred in TUS, especially USMLE and other similar exams.

A SHORT GUIDE for STUDENTS to PROBLEM-BASED LEARNING (PBL)

In Phase II besides the lectures, Problem Based Learning Sessions are implemented in the education program.
The principal idea behind PBL is that the starting point for learning should be a problem, a query, or a puzzle that the learner wishes to solve.
PBL is a learning method where students perceive their knowledge gaps, decide on learning issues and achieve these, while working in small groups on a case to solve a patient's problems.
So, PBL starts by a clinical case of a patient. While working on the patient's problems you will identify your learning needs and study these. During this whole process you will work with a group of 8-12 students and a tutor.

How it works?
You will be presented a patient case (scenario) that has some problems and will be asked to proceed according to the information and instructions that you will receive. You will not be informed about the topic of the case in advance but will face the problem when given to you in your first session- *just like a doctor does not know what patients he/she will see when starting the day*.
Scenarios will be given to you one page at a time. When you finish discussing a page you will be given the following page with additional information about the patient.
Each PBL case will be discussed over 3 sessions, 2 hours each. You will work in a group of 8-12 students with a tutor. One student elected by the group will work as the "scribe" (person who will write the discussed topics on the board). The scribe may change at every session, by group decision.
Each group will be given the same scenario but will work independently from each other.
The tutor working with you will NOT TEACH you but will only guide to on this exciting trip. He/she will ask you questions to guide you to the problems to be solved.
Your aim will be to find out the reasons, and in some cases, the solutions of the problems presented.
It is clear (and we know) that you do not have enough knowledge to understand and solve all the problems presented to you.
Here comes the aim of PBL: **you will thus recognize WHAT YOU DO NOT KNOW and WHAT YOU SHOULD LEARN.** In other words, **you will identify your knowledge gaps and try to learn them**. These are called "**learning objectives**".
In order to facilitate and direct discussions and learning process all relevant points should be written on the board by the scribe. The board should be used as below (with examples):

Problems	**Hypotheses**	**Additional (Required) information**	**Learning issues (Learning objectives)**
Example	***Example***	***Example***	***Example***
Fever *Cough* *Pallor*	*Throat infection* *Pneumonia* *Anemia*	*Throat examination* *Chest examination* *Chest X-ray* *Blood count*	*Causes of fever* *How is body temperature controlled?* *Anatomy of the throat* *Anatomy of lungs* *What is anemia?*

The patient's problems will be listed under **"Problems**" column.
The possible causes/reasons/mechanisms of the patient's problems will be listed under "**Hypotheses**". You can suggest and write anything that comes to your mind- you will then try to find any facts or information that can support these hypotheses. Do not be shy to suggest anything. You will not be judged for those things that you suggest.
As you will not be provided with all information about the patient you will need more information (such as, the patient's fever, physical examination findings, laboratory data, etc.). You will thus ask the scribe to write down these on the board under "**Required Information**" heading. This means information that you want to learn about this particular patient.
During the course of these discussions you will recognize that you do not know and thus need to study and learn some topics/issues, which are called "**learning objectives**". The learning objectives will be written on the fourth column under this heading. These are the topics that you will study until the next session and present by then.

This will lead you to the second stage of PBL: learning the facts that ***you*** have decided to. You will have to **find and reach the required learning resources** (textbooks, journal articles, reliable internet sources, etc.) and **study** these in your **independent study time**. You will be given a list of possible learning resources for every discipline but you can find other sources in addition to them. However, make sure that these are reliable sources- especially web sources need cautiousness.
When you meet with your group and tutor in your second (and third) session, you will be asked to summarize the previous session, list the learning objectives and then present the knowledge that you had learned.
In this way every group member (students) will study and learn the objectives and these will be discussed during the session. There may be disagreements among students for some information reached. The group will discuss and come to a conclusion about it. The tutor will guide and moderate the group through this process- BUT WILL NOT TEACH. **The tutor will <u>not be a resource person</u> but a faculty member who will facilitate your search for correct knowledge**. ***It is YOU who will reach and learn the required topics***- the topics that you have identified as your learning objectives or knowledge gaps.
The ultimate aim of a PBL case is NOT to diagnose the patient but to learn the topics that you discover that you do not know. Although the case is a clinical problem, at this stage of your studies, you will have to focus on basic sciences. In other words, you will need/want to learn basic science topics (anatomy, physiology, biochemistry, microbiology, etc.) related to the patient's problems. **So you will learn basic sciences starting from a clinical case and thus appreciate why and where basic sciences are necessary and relevant**.
Other benefits of PBL that you gain are to:

- learn "how to learn"
- develop lifelong learning skills
- improve your communications skills
- state and defend positions with evidence and sound argument
- become more flexible in processing information and meeting obligations
- practice skills that you will need after your education
- improve your information literacy

Assessment: Your participation and contributions to the sessions will be assessed by your tutor. This will NOT be assessment of your knowledge but your participation in the sessions, taking part in discussions, suggesting hypotheses, contributions by making presentations, etc. The assessment form is given below. This will comprise 5 % of that committee score.

PBL ***First*** **Session** Flow	
.	Introducing activity ***(For the first session of the term)***
B.	Determination of group rules ***(For the first session of the term)*** ***(Group rules will be written on the Flipchart.)***
C.	Introducing the PBL Student Assessment Form to students ***(For the first session of the term)*** ***(This form will be filled in electronically via EYS by the tutors after the second session of the scenario.)***
1.	Review of the Group Rules ***(The group rules created in the first session of the term will be remembered.)***
0.	Warmup game
0.	Selecting the reader and writer ***(The reader's task is to read the scenario step by step, together with the questions on the box, to the group.)*** ***(The writer's task is to write the answers to all the questions in the scenario, especially! hypotheses and learning objectives on the flipchart.)***
0.	Reading the scenario step by step ***(The tutors will distribute the student copies of the scenario that came out of the session envelope to the students.)*** ***(The next page will not be passed until the students have finished reading a page and answering the related questions.)***
0.	Using Dorland's Medical Dictionary for unknown medical terms. ***(Printed Dorland's Medical Dictionary will be in the PBL room.)*** ***(Also, Electronic Dorland's Medical Dictionary can be accessed as Yeditepe University Website Academic Drop-***

	Down Menu Information Center Tab Electronic Library Drop-Down Menu Off-Campus Access Tab OBS user Login with username and password Finding Dorland's Medical Dictionary among resources) (Direct link https://login.lproxy.yeditepe.edu.tr/login)
0.	Discussion ***(Writing the hypotheses on the Flipchart, bringing the prior knowledge into the learning environment, reviewing the hypotheses, etc.)***
0.	The tutor asks questions that lead students to learning objectives during the discussion
0.	Determination of learning objectives by students ***(The learning objectives determined by the student group will be written on the Flipchart by the writer.)***
0.	Feedback (***Each group member's thoughts on him/herself, the group, the scenario, the tutor, the PBL flow, the environment, etc.)***
0.	Attendance ***(Students will sign the student list on the session envelope.)***
PBL ***Second*** **Session** Flow	
1.	Warmup game
0.	Discussion of the learning objectives obtained in the previous session ***(Reading the learning objectives on the Flipchart they were written in the previous session putting the objectives in order for discussion in-depth discussion of all objectives by the student group.)*** ***(Important note: The second session of the scenario will not proceed until the following requirements are met. For each learning objective; it should be discussed in depth, the students' work should be shared, these discussions should be supported by the flowcharts drawn on the flipchart, the discussion of the learning objectives should not be superficial.)***
0.	Selecting the reader ***(The reader's task is to read the scenario step by step, together with the questions on the box, to the group.)***
0.	Reading the scenario of the second session ***(The tutors will distribute the student copies of the scenario from the session envelope to the students.)***
0.	Discussing the psychosocial dimension of the scenario
0.	Feedback ***(Each group member's thoughts on him/herself, the group, the scenario, the tutor, the PBL flow, the environment, etc.)***
0.	Attendance ***(Students will sign the student list on the session envelope.)***
0.	After the session, the Tutor Evaluation Form is filled by the students on the EYS.

PBL STUDENT ASSESSMENT FORM*

Student Name	
Phase/Committee	
PBL Scenario Name	
Tutor Name	

INTERACTION WITH GROUP / PARTICIPATION TO GROUP	**Not observed**	**Poor**	**Fair**	**Average**	**Good**	**Excellent**	**Total Point of the Part**
	0	**1**	**2**	**3**	**4**	**5**	
1. Starts discussion							
0. Contribute with valid questions and ideas							
0. Balances listening and speaking roles							
0. Communicates effectively in group work							
GAINING KNOWLEDGE	**Not observed**	**Poor**	**Fair**	**Average**	**Good**	**Excellent**	**Total Point of the Part**
	0	**1**	**2**	**3**	**4**	**5**	
0. Determines valid learning issues							
0. Finds valid sources							
0. Makes independent research on learning issues							
0. Shows understanding of the concepts and relationships							
COMMUNICATION/SHARING KNOWLEDGE	**Not observed**	**Poor**	**Fair**	**Average**	**Good**	**Excellent**	**Total Point of the Part**
	0	**1**	**2**	**3**	**4**	**5**	
0. Selects data valid for discussion and presentation							
0. Expresses ideas and knowledge clearly and in an understandable way							
0. Draws figures, diagrams clearly and in an understandable way							
0. Has always some additional information or data to present whenever needed							
PROBLEM SOLVING AND CRITICAL THINKING	**Not observed**	**Poor**	**Fair**	**Average**	**Good**	**Excellent**	**Total Point of the Part**
	0	**1**	**2**	**3**	**4**	**5**	
0. Generates hypotheses independently							
0. Reviews hypotheses critically							

0. Integrates basic science and clinical concepts							
0. Describes the difference between normal and pathological conditions							
PROFESSIONAL ATTITUDE	**Not observed**	**Poor**	**Fair**	**Average**	**Good**	**Excellent**	**Total Point of the Part**
	0	**1**	**2**	**3**	**4**	**5**	
0. Is sensitive to psychosocial factors affecting patients							
0. Treats all group members as colleagues							
0. Accepts feedback properly							
0. Provides proper feedback to group members							
Total Score of the Student							

Student's attendance status for PBL sessions	**Session 1**	**Session 2**	**Session 3**
	Attend ( ) / Not attend ( )	Attend ( ) / Not attend ( )	Attend ( ) / Not attend ( )

If you have any other interpretation, or thought about the student's performance in PBL sessions that you want to say PBL Coordinators, please write here.	

Signature of the tutor	

*Assessment form should be filled in at the end of

AIM OF FREE ELECTIVE COURSES

Free Elective courses aim to add complementary educational experiences to the medical school curriculum in order to improve comprehension of biopsychosocial approach of medical students, besides offering an opportunity to extend knowledge of interest in specific domains.
The following courses (2 ECTS credits each) will be offered in spring semester. Each student has to choose one of these elective courses. The selection and enrollment procedure will be announced by the phase coordinator.

List of Free Elective Courses

Code	Subject
MED 611	Medical Anthropology
MED 612	Creative Drama
MED 613	Medical Humanities
MED 614	Personal Trademark Development
MED 615	Innovation Management
MED 616	Medical Management and New Services Design Skills
MED 619	Entrepreneurship and Storytelling Techniques for Business Purposes
MED 620	Art, Culture, and Life Styles
MED 621	Epidemiological Research and Evidence-Based Medicine
MED 622	Application of Economics in Health Care
MED 623	Visual Presentation in Medicine
MED 627	Presentation of Medicine on Media
MED 628	Healthy Living: The Milestones of the Life for Performance Management
MED 629	Music and Medicine
MED 630	Health Law

MED 631	Creative Drama II
MED 632	Music Appreciation
MED 633	Communication with Hearing Impaired Patients in Turkish Sign Language
MED 634	Case-Based Forensic Sciences
MED 635	Advanced Level Communication with Hearing Impaired Patients in Turkish Sign Language
MED 636	Art Project
MED 637	Artistic Photography and Composition

See details from "Elective Courses Guideline:https://med.yeditepe.edu.tr/en/academic-program-booklets

SPECIFIC SESSIONS / PANELS
INTRODUCTORY SESSION

Aim of the session:

The session provides basic information about Yeditepe University Faculty of Medicine Undergraduate Medical Education Program (YUFM/UG-ME) and the educational phase relevant to the students. This session orients the students to the program and the phase.

Objectives of the Session:

1. To provide basic information about the YUFM/UG-ME.
2. To provide basic information about the phase.
3. To provide essential information on social programs and facilities.

Rules of the Session:

1. The session will be held in two types, conducted by Phase Coordinator and Committee Coordinator, respectively.
0. The first type will be held once in the first week of the educational phase. The second type will be held at the beginning of each committee/.
0. Students should attend the session.

Implementation of the Session:

In the first type, Phase Coordinator will present brief information on the following topics:

- Organizational Chart of Yeditepe University Faculty of Medicine Undergraduate Medical Education Program (YUFM/UG-ME), Work Descriptions and Introduction of Committees/s/Members,
- Directives on YUFM/UG-ME,
- YUFM/UG-ME Program Outcomes
- Learning Objectives of the Phase
- Academic Program of the Phase
- Teaching and Learning Methods
- Learning Environments and Sources/Resources
- Attendance
- Elective Courses
- Assessment Procedure
- Grade Point Average, Cumulative Grade Point Average (GPA, cGPA) Calculation
- Pass/Fail Conditions
- Feedback of the Previous Year and Program Improvements
- Social Programs and Facilities

In the second type, Committee / Coordinator will present brief information on the following topics:

- Learning Objectives of the Committee
- Academic Program of the Committee
- Teaching and Learning Methods
- Learning Environments and Sources / Resources, References
- Attendance
- Assessment Methods and Question Distribution Table
- Committee / Score Calculation Method
- Pass / Fail Conditions
- Feedback of the Previous Year and Program Improvements
- Social Programs and Facilities

COMMITTEE EVALUATION SESSION

Aim of the Session:

The aim of the session is to evaluate the committee educational program, with all its components, by the students and the committee coordinators. This session will contribute to the improvement of the educational program in general by giving the opportunity to identify the strengths of the committee educational program and revealing the areas which need improvement.

Objectives of the Program Evaluation Session are to;

- establish a platform for oral feedbacks in addition to the systematically written feedback forms
- give the opportunity to the students and the coordinators to discuss the committee period face to face
- allow the students to review the committee exam questions together with faculty members.

Process:

The total duration of the session is 90 minutes and the session consists of two parts. The first part (30 minutes) is dedicated to oral feedback by the students. All of the oral feedback will be recorded and reported by the committee coordination team. In the second part (60 minutes) committee exam questions will be reviewed and discussed by students and faculty.

Rules of the Committee/ Evaluation Session:

1. The **Committee/ Evaluation Session** will be held on the last day of each committee after the committee/ exam.
2. Students are required to attend the session.
3. The Committee/ coordinator will lead the session.
4. The faculty members who had contributed questions in the committee exam should attend the session.
5. Students must comply with the feedback rules while giving verbal feedback and all participants shall abide by rules of professional ethics.

PROGRAM IMPROVEMENT SESSION

Aim:
The aim of this session is sharing the program improvements based on the evaluation of the educational program data, with the students and the faculty members.

Objectives:
1. To share the improvements within educational program with the students and the faculty members.
2. To inform the students and the faculty members about the processes of the program improvement
3. To encourage student participation in the program improvement processes.

Rules:
1. Program improvement sessions will be implemented once a year. The implementation will be performed at the beginning of the spring semester.
2. Students are required to attend the session.
3. The phase coordinator will monitor the session. If necessary, the dean, vice deans and heads of the educational boards will attend to the session.
4. All faculty members will be invited to the session.

Implementation:

Before the Session
1. Phase coordinator will report the results of the improvements of the educational program.
2. The program improvements report has three parts. The first part of the report includes improvements that have been completed, and those that are currently in progress. The second part of the report includes, improvements that are planned in medium term, and the third part of the report includes, improvements that are planned in long term.
3. The program improvements report also includes the program evaluation data (student feedbacks, faculty feedbacks, results of the educational boards meetings etc.) in use of improvements.

During the Session
0. The phase coordinator will present the program improvements report to the students and the faculty members.
0. Students can ask questions about, and discuss, the results of the program improvement.

Process: The total period of session is 30 minutes and has two parts. The first part (15 minutes) covers, presenting of the program improvement report. The second part (15 minutes) covers, students' questions and discussion.

After the Session
0. The program improvement brief will be published on the website of Yeditepe University Faculty of Medicine (http://med.yeditepe.edu.tr).

INDEPENDENT LEARNING

Description:

"Independent learning" is a process, a method and a philosophy of education in which a student acquires knowledge by his or her own efforts and develops the ability for inquiry and critical evaluation. It includes freedom of choice in determining one's learning objectives, within the limits of a given project or program and with the aid of a faculty adviser. It requires freedom of process to carry out the objectives, and it places increased educational responsibility on the student for the achieving of objectives and for the value of the goals (1).

Aim:

The aim of this instructional strategy is to develop the students' ability, to learn individually, so they are prepared for the classroom lessons, lectures, laboratory experiences and clinical practices, exams, professional life and have the abilities needed for lifelong learning.

Objectives:

With this instructional strategy, students will develop;

- the skills that will help them to learn independently.
- self-discipline in their work habits.
- their evidence-based research skills by using reliable resources.
- their teamwork skills by studying together.
- their clinical skills as self-directed working in the clinical skills laboratory.

Rules:

1. All of the students will define independent learning process according to below algorithm.
2. All of the students will be required to fill out a form, which is a self-assessment form for the independent learning (methodology: timing, sources, strategy, etc.).
3. The students' academic performance and independent learning methodology will be analyzed comparatively, and feed-back on further improvements will be provided.

What a student should do for learning independently?

1. **Analyzing:** First you will need to analyze carefully, what your problems and weaknesses are. For example, if you are studying anatomy, is your weak area broadly upper limb, lower limb, or what?
2. **Addressing:** Once you've decided your specific problems, you can list them. Which one needs to be addressed urgently? Work out your priorities. Whatever your subject area is, don't be afraid to return to the basics if necessary. It may give you more confidence in the long run to ensure you have a proper understanding of basic concepts and techniques.
3. **Accessing:** If you need reliable information, or if you need to read about a subject and put it into context, a textbook may be the best place to start. However, the Internet may be helpful if you need very up-to-date information, specific facts, or an image or video etc. If you need an academic research article, reports or case studies for your topic, then a database (Pubmed etc.) would be the best option.
4. **Timing:** In the weekly syllabus you will see, a specific time called "independent learning hour" for your independent work. In addition to these hours, the students should also have their own time schedule for their study time at home.
5. **Planning:** Your next step will be to work out a realistic study-plan for your work. What goals could you literally set for yourself? Don't make them too ambitious but set minor goals or targets that you know you will be able to achieve without having to spend a very long time working on them. How many hours will you need to achieve them? How will you know when you've achieved them?
6. **Recording:** When you work independently, it's a good idea to keep a written record of the work you've done. This can help with further planning and also give a sense of achievement as well as provide something to include in a progress file. As time goes by you may surprise yourself with what you've been able to achieve. This could motivate you to keep going, as could increase your confidence, and even improve your results
7. **Reflecting:** Reflecting on what you've done can help you decide whether the activity was really effective, whether an alternative approach might be better on another occasion, whether you spent the right amount of time and whether you have achieved the target you'd set yourself.
8. **Improving:** Once you've achieved the target, the process of planning can start again. Your needs and priorities may have changed, so think about them and then set yourself to another target.

Reminder: For further information about the independent learning, please contact the Department of Medical Education.

Reference:

1. Candy, P. (1991) Self-direction for lifelong learning: a comprehensive guide to theory and practice. San Francisco: Jossey Bass.

For further reading useful resources to recommend to students:

- Burnapp, D. (2009). Getting Ahead as an International Student. London: Open University Press.
- Marshall, L. & Rowland, F. (1998) A Guide to learning independently. London: Open University Press.
- University of Southampton / UKCISA online resource 'Prepare for Success'

WEEKLY COURSE SCHEDULE and LOCATIONS

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
09:00-09:50	MED 203 (4E03)	MED 203 (4E03)	MED 203 (4E03)	MED 203 (4E03)	MED 203 (4E03)
10:00-10:50	MED 203 (4E03)	MED 203 (4E03)	MED 203 (4E03)	MED 203 (4E03)	MED 203 (4E03)
11:00-11:50	MED 203 (4E03)	MED 203 (4E03)	MED 203 (4E03)	MED 203 (4E03)	MED 203 (4E03)
12:00-12:50	MED 203 (4E03)	MED 203 (4E03)	MED 203 (4E03)	MED 203 (4E03)	MED 203 (4E03)
13:00-13:50	**LUNCH**				
14:00-14:50	MED 203 (4E03)	MED 203 (4E03)	MED 203 (4E03)	MED 202 (Ground Floor CSL	Elective Course (SPRING)
15:00-15:50	MED 203 (4E03)	MED 203 (4E03)	MED 203 (4E03)	MED 202 (Ground Floor CSL)	Elective Course (SPRING)
16:00-16:50	MED 203 (4E03)	MED 203 (4E03)	MED 203 (4E03)	MED 202 (Ground Floor CSL)	Elective Course (SPRING)
17:00-17:50	MED 203 (4E03)	MED 203 (4E03)	MED 203 (4E03)	MED 202 (Ground Floor CSL)	Elective Course (SPRING)

COURSE CODES	**COURSES and LOCATIONS**
MED 203	Basic Medical Sciences II (4E03) or Laboratories**
MED 202	Introduction to Clinical Practice II (CSL)*** or (4E03)

CLASSES

4E03	Ground Floor
Elective Course Classes	Will be announced later

**** MED 203 Laboratory sessions will be held at the laboratories of related departments:**
Physiology Laboratory: Room Number 448, Ground Floor, and Room Number 934, 5th Floor,
Histology and Embryology Laboratory: Room Number 929-930, 5th Floor
Anatomy Laboratory: C0547 and 3108 Cadaver Room, Ground Floor (-1)
Microbiology Laboratory: Room Number: 934, 5th Floor,
Pathology Laboratory: Room Number: 929-930, 5th Floor, Medical Faculty Block

***** MED 202 Practical Lectures will be held at Clinical Skills Laboratory (CSL) 442, Ground Floor.**

****** CSL will be held on Thursdays during the Fall and Spring semesters.**

RECOMMENDED TEXTBOOKS

NO	DEPARTMENT	TEXTBOOK	AUTHOR	PUBLISHER
1	ANATOMY	Gray's Anatomy for Students	R.L. Drake et al, 3rd Edition, 2014	Churchill Livingstone
		Last's Anatomy: Regional and Applied	Chummy S. Sinnatamby, 12th Edition	Churchill Livingstone
		A Textbook of Neuroanatomy	Maria Patestas, Leslie P. Gartner, 2nd Edition, 2016	Wiley-Blackwell
		Hollinshead's Textbook of Anatomy	Cornelius Rosse, Penelope Gaddum-Rosse, 5th Edition, 1998	Lippincott Williams & Wilkins
2	BIOCHEMISTRY	Textbook of Biochemistry with Clinical Correlations	Thomas M. Devlin	Wiley-Liss Publishing Company
		Harper's Illustrated Biochemistry	Robert K. Murray et al	Mc-Graw-Hill Companies
		Lehninger Principles of Biochemistry	David L. Nelson, Michael M. Cox	W.H. Freeman Publishing Company
3	BIOPHYSICS	Introductory Biophysics: Perspectives on the Living State	J.R. Claycomb, J.P. Tran	Jones & Bartlett Publishers
4	BIOSTATISTICS	Primer of Biostatistics	Stanton Glantz	Mc-Graw-Hill Companies
5	HISTOLOGY	Junqueira's Basic Histology: Text and Atlas 13th Ed.	Anthony Mescher	Mc-Graw-Hill Companies
	EMBRYOLOGY	The Developing Human: Clinically Oriented Embryology, 10th Ed.	Keith L. Moore & T. V. N. Persaud	Saunders
6	IMMUNOLOGY	Basic Immunology: Functions and Disorders of the Immune System	Abul K. Abbas, Andrew H. H. Lichtman, Shiv Pillai, 5th edition,.2015	Elsevier
7	MEDICAL BIOLOGY	Molecular Biology of the Cell	Bruce Alberts et al	Garland Science
8	MEDICAL MICROBIOLOGY	Medical Microbiology: with Student Consult	P. R. Murray et al	Saunders
9	PATHOLOGY	Basic Pathology, 10e	Vinay Kumar MBBS MD et al. 2017 (ISBN-13: 978-0323353175)	Elsevier
10	PHARMACOLOGY	Goodman & Gilman's The Pharmacological Basis of Therapeutics	L.L. Brunton ed.	McGraw-Hill, New York,
		Basic and Clinical Pharmacology	B. G. Katzung	McGraw-Hill, New York
		Principles of Pharmacology	Golan, D.E et al	Lippincott Williams & Wilkins
11	PHYSIOLOGY	Guyton and Hall Textbook of Medical Physiology	John E. Halland Michael E. Hall, 15th Edition, 2025	Saunders
		Medical Physiology	Walter F. Boron, Emile L. Boulpaep 3rd Edition, 2016	Elsevier
		Human Physiology	Stuart Ira Fox, Krista Rompolski , 16th Edition, 2022	McGraw-Hill Education

MED - 203 - COMMITTEE I - CARDIOVASCULAR SYSTEM

DISTRIBUTION of LECTURE HOURS
September 08 - October 17, 2025
COMMITTEE DURATION: 6 WEEKS

COURSES	BASIC MEDICAL SCIENCES II	THEORETICAL	PRACTICAL	SMALL GROUP DISCUSSION	TOTAL
MED 203	**DISCIPLINE / COMPONENTS**				
	ANATOMY	15	2GX4H	0	19
	BIOCHEMISTRY	12	4GX2H	0	14
	BIOPHYSICS	10	0	0	10
	BIOSTATISTICS	2	0	0	2
	HISTOLOGY & EMBRYOLOGY	12	2GX4H	0	16
	IMMUNOLOGY	2	0	0	3
	MEDICAL BIOLOGY	2	0	0	2
	MEDICAL MICROBIOLOGY	8	4GX1H	0	9
	PATHOLOGY	7	0	0	7
	PHYSIOLOGY	36	4GX5H	0	39
	SCIENTIFIC RESEARCH and PROJECT - II	2	0	5GX3H	5
	PBL	0	0	6	6
	TOTAL	**107**	**16**	**9**	**132**
MED 202	**INTRODUCTION to CLINICAL PRACTICE- II**	5H	5GX3H	**0**	8
INDEPENDENT LEARNING HOURS		88			

Coordination Committee	**Head**	Burcu GEMİCİ BAŞOL, PhD Prof.
	Secretary	Alev CUMBUL, PhD Assoc. Prof.
	Member	Mehtap KAÇAR, MD PhD Prof.
	Member	Akif MEHERREM, PhD Assist. Prof.

COMMITTEE I - CARDIOVASCULAR SYSTEM
LECTURERS

MED 203 BASIC MEDICAL SCIENCES II	
DISCIPLINE	**LECTURERS**
ANATOMY	M.Ayberk KURT, MD, PhD. Prof. Erdem SÖZTUTAR, MD, Assist. Prof. Paria SHOJAOLSADATI, PhD. Assist. Prof. LAB: Edibe BİLİŞLİ KARA, PhD. Lecturer LAB: Ahmet SAÇ, MD, PhD. Lecturer
BIOCHEMISTRY	İnci ÖZDEN, PhD Prof. Yeşim ÖZARDA MD Prof. LAB: Müge KOPUZ ALVAREZ NOVAL, PhD Assist. Prof. LAB: Deniz DEMİRTAŞ, MD
BIOPHYSICS	Akif MEHERREM, PhD Assist. Prof. Bilge GÜVENÇ TUNA, PhD Assoc. Prof.
BIOSTATISTICS	E. Çiğdem KELEŞ, PhD Assist. Prof.
HISTOLOGY & EMBRYOLOGY	Aylin YABA UÇAR, PhD Prof. Alev CUMBUL, PhD Assoc. Prof.
IMMUNOLOGY	Latife Arzu ARAL, MD PhD Prof.
MEDICAL BIOLOGY	Ayşe ÖZER, PhD Prof. Deniz KIRAÇ, PhD Prof. Seda GÜLEÇ YILMAZ PhD, Prof.
MEDICAL MICROBIOLOGY	Güner SÖYLETİR, MD PhD Prof. Pınar ÇIRAGİL, MD Prof. Aynur EREN TOPKAYA, MD Prof. Nilgün ÇERİKÇİOĞLU, MD Prof. Rabia CAN, MD, Assoc. Prof. LAB: Selvi DUMAN BAKIREZER, PhD
PATHOLOGY	Aydın SAV MD Prof.
PHYSIOLOGY	Mehtap KAÇAR, MD PhD Prof. Burcu GEMİCİ BAŞOL, PhD Prof.
SCIENTIFIC RESEARCH AND PROJECT-II	Aylin YABA UÇAR, PhD Prof. (SRP coordinator) Soner DOĞAN, PhD Prof.

OTHER COURSES

MED 202 INTRODUCTION TO CLINICAL PRACTICE II	
DISCIPLINE	**LECTURERS**
CLINICAL SKILLS LAB	Tümay SADIKOĞLU, MD, Assist. Prof Duygu ALTIPARMAK, MD, Specialist, Instructor E. Güler ÜNVER, Specialist, Instructor

COMMITTEE I - CARDIOVASCULAR SYSTEM

AIM and LEARNING OBJECTIVES

AIMS

1. To convey knowledge about biophysical, biological, anatomical, embryological, histological, physiological and biochemical properties of cardiovascular system,
2. To convey knowledge on hemodynamics of cardiovascular system,
3. To convey information about electrical activity and functional activity of heart by defining all basic parameters,
4. To convey information about cardiovascular system anatomy
5. To convey basic, general knowledge about immunology,
6. To convey basic, general knowledge about microbiology and information about the structural/biological features and pathogenesis of fungi,
7. To convey basic knowledge about biostatistics.

LEARNING OBJECTIVES

At the end of this committee, students should be able to:

For cardiovascular systems;

1.1. explain biophysical changes,
1.2. associate with the clinical reflections.
1.3. to convey basic knowledge about biostatistics

2.0. For cardiovascular system;

2.1. explain biological characteristics of the system,
2.2. associate with the clinical reflections.

3.0. For cardiovascular system;

3.1. describe their anatomy,
3.2. associate with adjacent tissues and organs,
3.3. explain their functional and clinical reflections.

4.0. For thorax and diaphragm

4.1. describe their anatomy,
4.2. associate with adjacent tissue and organs,
4.3. explain their functional and clinical reflections.

5.0. Explain the development of Head; Splanchnocranium, Neurocranium

5.1. Describe of development of Neck and Pharyngeal Arches and Anomalies

6.0. Explain the developmental stages of heart,

6.1. explain developmental stages of arteries, veins and capillaries,
6.2. associate the relation between major birth abnormalities and developmental process.

7.0. Explain the histological properties of heart

7.1. Explain the histological features of arteries, veins and capillaries
7.2. Explain the histological properties of Lymph organs
7.3. explain the histological features of Blood

8.0. Explain hemodynamics of cardiovascular system and electrical activity of heart by biophysical mechanisms.

9.0. Describe the structure, functions, synthesis and degradation of hemoglobin.

10.0. Describe erythrocyte-specific metabolisms.

11.0. Describe formation, differentiation and functions of blood cells.

12.0. Describe physiopathology of diseases, such as anemia, leukemia, hemophilia.

13.0. Describe heart rhythm, cardiac output and cardiac cycle.

14.0. Describe nervous (autonomous) control of the cardiovascular system.

15.0. Explain functions of the cardiovascular system.

16.0. Explain functions and dynamics of the circulatory system.

17.0. Explain measurements of hematocrit, blood group analysis, blood pressure and ECG methods.

18.0. For immune system;

18.1. explain development and differentiation of immune cells,

18.2. relate changes with diseases,
18.3. describe the properties of immune response.

19.0. For hemodynamic changes;
19.1. explain mechanisms of development,
19.2. describe mechanisms for cellular damage,
19.3. describe pathologies occurring due to cell and tissue damage.

20.0. Describe the factors that determine pathology as a basic science.

21.0. Explain the factors of tissue damage

22.0. Describe the pathological consequences and interactions of cellular injury on the cell and tissue morphology with examples.

23.0. Describe examples of pathological consequences of immune response.

24.0. Explain the factors that affect the clinical course and outcome of cell injury

25.0. List disorders resulting from hemodynamic changes.

26.0. Describe how to discuss scientific articles in the view of literature

27.0. Prepare a presentation of scientific research

28.0. For statistical decision
28.1. lists the types of the statistical hypothesis.
28.2. lists the types of errors in statistical decision making
28.3. explain the steps of a statistical hypothesis test

29.0 Explain the importance of microbiology in medicine

30.0 Describe how to cultivate and identify microorganisms in laboratory

31.0 Describe microbial population in human body and their environment

32.0 Explain the host and parasite interaction during infection

33.0 Explain case scenarios related to basic medical science topics in a clinical context.

COMMITTEE I - CARDIOVASCULAR SYSTEM
COMMITTEE I ASSESSMENT MATRIX

LEARNING OBJECTIVES	DISCIPLINE	LECTURER/ INSTRUCTOR	DISTRIBUTION of MCQs			
			CE	FE	IE	TOTAL
3.0-4.0, 33.0	ANATOMY	Dr. M. A. KURT	15	5	5	24
9.0-10.0, 33.0	BIOCHEMISTRY	Dr. Y. Özarda	11	4	4	19
1.0, 8.0	BIOPHYSICS	Dr. A. Meherrem	8	4	4	17
28.0	BIOSTATISTICS	Dr. Ç. Keleş	2	1	1	4
5.0-7.0, 33.0	HISTOLOGY & EMBRYOLOGY	Dr. A. Yaba Uçar	6	2	2	10
		Dr. A. Cumbul	6	2	2	8
18.0	IMMUNOLOGY	Dr. L. A. Aral	3	1	1	5
2.0	MEDICAL BIOLOGY	Dr. S.Güleç Yılmaz	2	1	1	6
29.0-32.0, 33.0	MEDICAL MICROBIOLOGY	Dr. G. Söyletir Dr. N. Çerikçioğlu Dr. P. Çıragil Dr. Rabia Can	8	3	3	14
19.0-25.0, 33.0	PATHOLOGY	Dr. A. Sav	6	3	3	12
11.0-17.0, 33.0	PHYSIOLOGY	Dr. M. Kaçar	32	12	12	56
		Dr. B. Gemici Başol				
33.0	PBL		1	0	0	1
		TOTAL	**100**	**38/200#**	**38/200#**	**176**

LEARNING OBJECTIVES	DISCIPLINE	DISTRIBUTION of LAB POINTS	
		LPE	QUİZ
3.0-4.0	ANATOMY	**30**	
8.0-10.0	BIOCHEMISTRY	**5**	
5.0-7.0	HISTOLOGY & EMBRYOLOGY	**20**	
29.0-32.0	MEDICAL MICROBIOLOGY	**5**	
8.0- 17.0	PHYSIOLOGY	**40**	
	TOTAL	**100**	

Total number of MCQs are 100, equal to100 pts. Each question has 1 pt.).
Total value of LPE is equal to 100 points
Committee Score (CS) = 95% of [90% CE (MCQ and SbMCQ) + 10% (LPE)] + 5% of PBL-P
Abbreviations:
MCQ: Multiple Choice Questions
SbMCQ: Scienario-based Multiple Choice Questions
LPE: Laboratory Practical Exam
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam
Pts.: Points
In FE and ICE**, 38** out of 200 FE and ICE MCQs and SbMCQ will be from Committee I (Each question is 0.5 pt, equal value

COMMITTEE I - CARDIOVASCULAR SYSTEM
I WEEK / 08–12 Sep 2025

	Monday 08-Sep-2025	Tuesday 09-Sep-2025	Wednesday 10-Sep-2025	Thursday 11-Sep-2025	Friday 12-Sep-2025
09.00- 09.50	PBL	Independent Learning	Lecture Thoracic Cavity & Mediastinum *M. Ayberk Kurt*	Lecture Immunology of Heart and Vessels *Latife Arzu Aral*	Lecture Synthesis of Hemoglobin, Disorders Concerning Synthesis of Hemoglobin *Yeşim Özarda*
10.00- 10.50		Lecture Functions of Blood *Burcu Gemici Başol*	Lecture Thoracic Cavity & Mediastinum *M. Ayberk Kurt*	Lecture Immunology of Heart and Vessels *Latife Arzu Aral*	Lecture Synthesis of Hemoglobin, Disorders Concerning Synthesis of Hemoglobin *Yeşim Özarda*
11.00- 11.50		Lecture Porphin, Porphyrins, Heme, Hemoglobin, Structure of Hemoglobin *Yeşim Özarda*	Lecture Sampling, Data Collection and Data Processing *E. Çiğdem Keleş*	Lecture Pericardium and Outer Surface of the Heart *M. Ayberk Kurt*	Lecture Histology of Circulatory Systems; Gn Spec. Arteries *Aylin Yaba Uçar*
12.00- 12.50	Introductory Session Introduction to Phase II Phase II Coordination Committee/ Introduction to Committee I Secretary of Committee	Lecture Porphin, Porphyrins, Heme, Hemoglobin, Structure of Hemoglobin *Yeşim Özarda*	Lecture Statistical Decision Theory, Test of Hypothesis and Significance *E. Çiğdem Keleş*	Lecture Pericardium and Outer Surface of the Heart *M. Ayberk Kurt*	Lecture Histology of Circulatory Systems: Capillaries, Veins & Heart *Aylin Yaba Uçar*
13.00- 13.50	Lunch Break				
14.00- 14.50	Lecture Introduction to Cardiovascular System *M. Ayberk Kurt*	Lecture Molecular Basis of Cardiovascular System *Seda Güleç Yılmaz*	Lecture Erythrocyte *Burcu Gemici Başol*	ICP / CSL: Intramuscular/Intradermal/ Subcutaneous Injection *Dr. Tümay Sadıkoğlu / Dr. Duygu Altıparmak/ Dr. Güler Ünver* Group A	Lecture Leukocytes & Lymphocytes *Burcu Gemici Başol*
15.00- 15.50	Lecture Biophysics of Hemodynamics: Measurements of Different Hemodynamic Parameters *Akif Meherrem*	Lecture Molecular Basis of Cardiovascular System *Seda Güleç Yılmaz*	Lecture Erythrocyte *Burcu Gemici Başol*		Lecture Leukocytes & Lymphocytes *Burcu Gemici Başol*
16.00- 16.50	Lecture Biophysics of Hemodynamics: Measurements of Different Hemodynamic Parameters *Akif Meherrem*	Independent Learning	Independent Learning		Independent Learning
17.00-17.50	Independent Learning	Independent Learning	Independent Learning		Independent Learning

IL: Independent Learning, CSL: Clinical Skills Learning, Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE I - CARDIOVASCULAR SYSTEM
II. WEEK / 16– 19 Sep 2025

	Monday 15-Sep-2025	Tuesday 16-Sep-2025	Wednesday 17-Sep-2025	Thursday 18-Sep-2025	Friday 19-Sep-2025
09.00- 09.50	PBL	Lecture Rhythmical Excitation of the Heart *Burcu Gemici Başol*	Lecture Microcirculation and the Lymphatic System *Burcu Gemici Başol*	Independent Learning	Lecture Principles of Hemodynamics *Burcu Gemici Başol*
10.00- 10.50		Lecture Rhythmical Excitation of the Heart *Burcu Gemici Başo*	Lecture Capillary Fluid Exchange, Interstitial Fluid, and Lymph Flow *Burcu Gemici Başol*	Lecture Introduction to Pathology *Aydın Sav*	Lecture Principles of Hemodynamics *Burcu Gemici Başol*
11.00- 11.50		Lecture Chambers of the Heart *M. Ayberk Kurt*	Lecture Functions of Hemoglobin *Yeşim Özarda*	Laboratory / Anatomy Pericardium, Outer Surface, Chambers of the heart *M. Ayberk Kurt & Edibe Bilişli Kara & Ahmet Saç* Group 2	Lecture Development of Circulatory Systems; Endocardial Tube Formation & Looping *Alev Cumbul*
12.00- 12.50	Independent Learning	Lecture Chambers of the Heart *M. Ayberk Kurt*	Lecture Functions of Hemoglobin *Yeşim Özarda*	Group 1	Lecture Development of Circulatory Systems; Septation *Alev Cumbul*
13.00- 13.50	Lunch Break				
14.00- 14.50	Lecture Degradation of Hemoglobin *Yeşim Özarda*	Lecture Introduction to Medical Microbiology *Pınar Çıragil*	Lecture Biophysics of Hemodynamics: Measurements of Different Hemodynamic Parameters *Akif Meherrem*	ICP / CSL: Intramuscular/ Intradermal/ Subcutaneous Injection *IDr. Tümay Sadıkoğlu / Dr. Duygu Altıparmak/ Dr. Güler Ünver* Group B	Lecture Bacterial pathogenicity *Güner Söyletir*
15.00- 15.50	Lecture Degradation of Hemoglobin *Yeşim Özarda*	Lecture Cultivation and identification of bacteria *Pınar Çıragil*	Lecture Biophysics of Hemodynamics: Measurements of Different Hemodynamic Parameters *Akif Meherrem*	Group B	Lecture Microbial toxins *Güner Söyletir*
16.00- 16.50	Independent Learning	Laboratory / Anatomy Thoracic wall, Cavity & Mediastinum *M. Ayberk Kurt & Edibe Bilişli Kara & Ahmet Saç* Group 1	Lecture Great Vessels of the Heart *M. Ayberk Kurt*	SRPC SGS Group C *Soner Doğan+*	Independent Learning
17.00-17.50	Independent Learning	Group 2	Lecture Major Vessels of the Body *M. Ayberk Kurt*		Independent Learning

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COMMITTEE I - CARDIOVASCULAR SYSTEM
III. WEEK / 22– 26 Sep 2025

	Monday 22-Sep-2025	Tuesday 23-Sep-2025	Wednesday 24-Sep-2025	Thursday 25-Sep-2025		Friday 26-Sep-2025
09.00- 09.50	Lecture Development of Circulatory Systems; Arteries *Alev Cumbul*	Independent Learning	Lecture Introduction to Bioelectromagnetics Electric Field *Akif Meherrem*	Laboratory / Histology &Embryology Histology of CVS (Aort, Heart, Vena Cava, Muscular arteries) *Alev Cumbul & Aylin Yaba Uçar* Group 1	Independent Learning	Lecture Adaptations *Aydın Sav*
10.00- 10.50	Lecture Development of Circulatory Systems; Veins *Alev Cumbul*	Lecture Blood Types and Transfusion Reactions *Mehtap Kaçarl*	Lecture Introduction to Bioelectromagnetics Electric Field *Akif Meherrem*		Laboratory / Anatomy Lymphatic System *M. Ayberk Kurt & Edibe Bilişli Kara & Ahmet Saç* Group 2	Lecture Adaptations *Aydın Sav*
11.00- 11.50	Lecture Coronary arteries, Cardiac Veins, and Cardiac Conduction System *M. Ayberk Kurt*	Lecture Blood Types and Transfusion Reactions *Mehtap Kaçar*	Lecture Development of Circulatory Systems;Congenital Heart Anomalies *Alev Cumbul*	Group 2	Group 1	Lecture Histology of Lymph Organs; General Aspects, Thymus and Lymph Node *Aylin Yaba Uçar*
12.00- 12.50	Lecture Coronary arteries, Cardiac Veins, and Cardiac Conduction System *M. Ayberk Kurt*	Lecture Fetal Circulation *M. Ayberk Kurt*	Lecture Development of Circulatory Systems; Arteries and Veins Anomalies *Alev Cumbul*		Independent Learning	Lecture Histology of Lymph Organs; Spleen and MALT (Tonsils) *Aylin Yaba Uçar*
13.00- 13.50	Lunch Break					
14.00- 14.50	Lecture Platelets and Coagulation *Mehtap Kaçar*	Laboratory / Anatomy Coronary arteries, Cardiac Veins, Great Vessels, Cardiac Conduction System *Edibe Bilişli Kara & Ahmet Saç* Group 1	Lecture Regulation of Cardiac Function *Mehtap Kaçar*	ICP / CSL: Intramuscular/Intradermal/ Subcutaneous Injection *Dr. Tümay Sadıkoğlu / Dr. Duygu Altıparmak/ Dr. Güler Ünver* Group C		Lecture Vascular Distensibility and Functions of Arterial and Venous Systems *Burcu Gemici Başol*
15.00- 15.50	Lecture Platelets and Coagulation *Mehtap Kaçar*	Group 2	Lecture Regulation of Cardiac Function *Mehtap Kaçar*	Group C	SRPC SGS Group D *Soner Doğan*	Lecture Vascular Distensibility and Functions of Arterial and Venous Systems *Burcu Gemici Başol*
16.00-16.50	Lecture / SRPC-II Abstract Writing *Soner Doğan*	Independent Learning	Lecture Introduction to Lymphatic System *M. Ayberk Kurt*			Independent Learning
17.00-17.50	Lecture / SRPC – II Drawing Graphical Abstract *Soner Doğan*	Independent Learning	Lecture Circulation of Lymph *M. Ayberk Kurt*			Independent Learning

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COMMITTEE I - CARDIOVASCULAR SYSTEM

IV. WEEK / 29 Sep– 03 Oct 2025

	Monday 29-Sep-2025	Tuesday 30-Sep-2025		Wednesday 01-Oct-2025		Thursday 02-Oct-2025		Friday 03-Oct-2025	
09.00- 09.50	Lecture Human microbiota *Nilgün Çerikçioğlu*	Laboratory Lecture / Microbiology *Güner Söyletir* Group A, B, C, D		Lecture Ischemia, infarction and shock *Aydın Sav*		Lecture Introduction to Bioelectromagnetics. Electromagnetic Field *Akif Meherrem*		Laboratory/ Physiology Blood Pressure - Heart Sounds *Mehtap Kaçar & Burcu Gemici Başol* Group A	Laboratory / Biochemistry Peripheral Blood Smear *Jale Çoban & Yeşim Özarda* *Müge Kopuz Alvarez Noval & Deniz Demirtaş* Group C
10.00- 10.50	Lecture Microbiology of air, water, and milk *Nilgün Çerikçioğlu*	Laboratory / Physiology Hematocrit Determination and Blood Typing & Bleeding Time *Mehtap Kaçar & Burcu Gemici Başol* Group D	Laboratory / Microbiology Safety in microbiology laboratory and Use of microscope *Güner Söyletir, Pınar Çiragil&Aynur Eren Topkaya & Rabia Can & Selvi Duman Bakırezer* Group C	Lecture Ischemia, infarction and shock *Aydın Sav*		Lecture Bioelectromagnetic Effects on the Heart *Akif Meherrem*			
11.00- 11.50	Lecture Local and Humoral Control of Blood Flow by the Tissues *Burcu Gemici Başol*	Group C	Group D	Lecture Disorders Concerning Hemoglobin Metabolism *Yeşim Özarda*		Lecture Regulation of Blood Pressure *Mehtap Kaçar*		Group C	Group A
12.00- 12.50	Lecture Local and Humoral Control of Blood Flow by the Tissues *Burcu Gemici Başol*	Group A	Group B	Lecture Blood Coagulation, Primary Hemostatsis *Yeşim Özarda*		Lecture Regulation of Blood Pressure *Mehtap Kaçar*			
13.00- 13.50	Lunch Break								
14.00- 14.50	Lecture Host-Parasite interactions *Güner Söyletir*	Group B	Group A	Lecture Cardiac Output, Venos Return and Regulation *Burcu Gemici Başol*		ICP / CSL: Intramuscular/Intradermal/ Subcutaneous Injection *Dr. Tümay Sadıkoğlu / Dr. Duygu Altıparmak/ Dr. Güler Ünver* Group D		Group B	Group D
15.00- 15.50	Lecture Viral Pathogenicity *Güner Söyletir*	Independent Learning		Lecture Cardiac Output, Venos Return and Regulation *Burcu Gemici Başol*		Group D	SRPC SGS Group E *Soner Doğan*		
16.00- 16.50	Independent Learning	AFYA for International Students	Independent Learning for Turkish Students	AFYA for International Students	Independent Learning for Turkish Students			Group D	Group B
17.00- 17.50	Independent Learning								

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COMMITTEE I - CARDIOVASCULAR SYSTEM
V. WEEK / 06 – 10 Oct 2025

	Monday 06-Oct-2025	Tuesday 07-Oct-2025		Wednesday 08-Oct-2025		Thursday 09-Oct-2025		Friday 10-Oct-2025
09.00- 09.50	Lecture Hemorheology *Akif Meherrem*	Laboratory / Histology &Embryology Histology of Lymphoreticular System (Thymus, Lymph Node, Spleen, Tonsils) *Alev Cumbul & Aylin Yaba Uçar* Group 2	Laboratory / Physiology ECG I-ECG II *Mehtap Kaçar & Burcu Gemici Başol* Group A	Laboratory / Physiology ECG I-ECG II *Mehtap Kaçar & Burcu Gemici Başol* Group D		Lecture Hyperemia & Congestion *Aydın Sav*		Lecture Review of Cardiovascular Anatomy *M. Ayberk Kurt*
10.00- 10.50	Lecture Hemorheology *Akif Meherrem*					Lecture Hyperemia & Congestion *Aydın Sav*		Lecture Coronary Circulation *Mehtap Kaçar*
11.00- 11.50	Lecture Heart Valves and Heart Sounds *Mehtap Kaçar*	Group 1	Group C	Group B		Lecture Nervous Regulation of the Circulation *Mehtap Kaçar*		Lecture Cardiac Failure *Mehtap Kaçar*
12.00- 12.50	Lecture Heart Valves and Heart Sounds *Mehtap Kaçar*					Lecture Nervous Regulation of the Circulation *Mehtap Kaçar*		Lecture Circulatory Shock and Physiology of Its Treatment *Mehtap Kaçar*
13.00- 13.50	Lunch Break							
14.00-14.50	Lecture Blood Coagulation, Primary Hemostasis *Yeşim Özarda*	Lecture Introduction to Bioelectromagnetics: Magnetic Field *Akif Meherrem*		Lecture Cardiac Arrhythmias *Mehtap Kaçar*		ICP / CSL: Intramuscular/Intradermal/ Subcutaneous Injection *Dr. Tümay Sadıkoğlu / Dr. Duygu Altıparmak/ Dr. Güler Ünver* Group E		Lecture Development of Head; Splanchocranium, Neurocranium *Aylin Yaba Uçar*
15.00- 15.50	Secondary Hemostasis, Procoagulation, Anticoagulation, Fibrinolysis *Yeşim Özarda*	Lecture Introduction to Bioelectromagnetics: Magnetic Field *Akif Meherrem*		Lecture Cardiac Arrhythmias *Mehtap Kaçar*		Group E	SRPC SGS Group A *Soner Doğan*	Lecture Development of Neck; Pharyngeal Arches and Anomalies *Aylin Yaba Uçar*
16.00- 16.50	Lecture Principles of Electrocardiography *Burcu Gemici Başol*	AFYA for International Students	Independent Learning for Turkish Students	AFYA for International Students	Independent Learning for Turkish Students			Independent Learning
17.00-17.50	Lecture Electrocardiographic Interpretation of Cardiac Abnormalities *Burcu Gemici Başol*							Independent Learning

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COMMITTEE I - CARDIOVASCULAR SYSTEM
VI. WEEK / 13 – 17 Oct 2025

<table>
<tr><th></th><th>Monday
13-Oct-2025</th><th>Tuesday
14-Oct-2025</th><th>Wednesday
15-Oct-2025</th><th>Thursday
16-Oct-2025</th><th>Friday
17-Oct-2025</th></tr>
<tr><td>09.00- 09.50</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td>Assessment Session

(Anatomy, Physiology, Histology&Embryology, Microbiology, Biochemisrty Practical Exams)</td><td rowspan="3">Independent Learning</td></tr>
<tr><td>10.00- 10.50</td></tr>
<tr><td>11.00- 11.50</td><td>Assessment Session

Committee I (MCQ)</td></tr>
<tr><td>12.00- 12.50</td><td rowspan="2">Lunch Break</td><td rowspan="2">Program Evaluation Session
Evaluation of the Committee I Program
Secretary of the Committee</td><td rowspan="2">Lunch Break</td></tr>
<tr><td>13.00- 13.50</td></tr>
<tr><td>14.00- 14.50</td><td rowspan="4">Independent Learning</td><td colspan="2" rowspan="2">Independent Learning</td><td colspan="2" rowspan="2">Independent Learning</td><td rowspan="4">Independent Learning</td></tr>
<tr><td>15.00- 15.50</td></tr>
<tr><td>16.00- 16.50</td><td>AFYA for International Students</td><td>Independent Learning</td><td>AFYA for International Students</td><td>Independent Learning</td></tr>
<tr><td>17.00-17.50</td><td colspan="4"></td></tr>
</table>

IL: Independent Learning, CSL: Clinical Skills Learning, Student groups for laboratory/practice sessions will be announced by coordinators.

MED - 203 - COMMITTEE II - RESPIRATORY SYSTEM
DISTRIBUTION of LECTURE HOURS
October 20 – November 28, 2025
COMMITTEE DURATION: 6 WEEKS

COURSES	BASIC MEDICAL SCIENCES II	THEORETICAL	PRACTICAL	SMALL GROUP DISCUSSION	TOTAL
MED 203	**DISCIPLINE / COMPONENTS**				
	ANATOMY	11	2GX3H	0	14
	BIOPHYSICS	4	0	0	4
	BIOSTATISTICS	4	0	0	4
	HISTOLOGY & EMBRYOLOGY	6	2GX2H	0	8
	IMMUNOLOGY	7	0	0	7
	MEDICAL BIOLOGY	2	0	0	2
	MEDICAL GENETICS	17	0	0	18
	MEDICAL MICROBIOLOGY	19	4GX6H	0	25
	PATHOLOGY	9	0	0	9
	PHYSIOLOGY	17	4GX2H	0	19
	SCIENTIFIC RESEARCH and PROJECT-II	0	0	5GX3H	3
	PBL	0	0	6	6
	TOTAL	**96**	**13**	**9**	**119**
MED 202	**INTRODUCTION to CLINICAL PRACTICE- II**	5H	5GX3H		8
INDEPENDENT LEARNING HOURS		74			

Coordination Committee	**Head**	L. Arzu Aral, MD, Ph.D., Prof.
	Secretary	Edibe BİLİŞLİ KARA, Ph.D., Lecturer
	Member	Alev CUMBUL, Ph.D., Assoc. Prof.
	Member	Deniz KIRAÇ, Ph.D., Prof.

COMMITTEE II - RESPIRATORY SYSTEM
LECTURERS

MED 203 BASIC MEDICAL SCIENCES II	
DISCIPLINE	**LECTURERS**
ANATOMY	M.Ayberk KURT, MD, PhD. Prof. Erdem SÖZTUTAR, MD Assist. Prof. Paria SHOJAOLSADATI, PhD. Assist. Prof. Edibe BİLİŞLİ KARA, PhD. Lecturer LAB: Ahmet SAÇ, MD, PhD. Lecturer
BIOPHYSICS	Akif MEHERREM, PhD, Assist. Prof. Bilge GÜVENÇ TUNA, PhD, Assoc. Prof.
BIOSTATISTICS	E. Çiğdem KELEŞ, PhD, Assist. Prof.
HISTOLOGY & EMBRYOLOGY	Aylin YABA UÇAR, PhD, Prof. Alev CUMBUL, PhD, Assoc. Prof.
IMMUNOLOGY	Latife Arzu ARAL, MD PhD Prof.
MEDICAL BIOLOGY	Deniz KIRAÇ, PhD, Prof.
MEDICAL GENETICS	Didem SEVEN, PhD, Assist Prof.
MEDICAL MICROBIOLOGY	Güner SÖYLETİR, MD PhD, Prof. Aynur EREN TOPKAYA, MD, Prof. Pınar ÇIRAGİL, MD, Prof. Rabia CAN, MD, Assoc. Prof. LAB: Selvi DUMAN BAKIREZER, PhD
PATHOLOGY	Aydın SAV, MD Prof.
PHYSIOLOGY	Mehtap KAÇAR, MD, PhD, Prof. Burcu GEMİCİ BAŞOL, PhD, Prof
SCIENTIFIC RESEARCH AND PROJECT-II	Aylin YABA UÇAR PhD, Prof. (Responsible Faculty Member) Soner DOĞAN, PhD, Prof.

OTHER COURSES

MED 202 INTRODUCTION to CLINICAL PRACTICE II	
DISCIPLINE	**LECTURERS**
CLINICAL SKILLS LAB	Cem ŞİMŞEK, MD. Assist. Prof Mustafa YAZICIOĞLU, MD. Assist. Prof Gökhan GENCER, MD. Assist. Prof. Hande Candemir, MD. Assist. Prof. Alev ECEVİZ, MD, Specialist, Instructor Dijan TAV ŞİMŞEK, MD, Specialist, Instructor F.Atakan GÜLTEKİN, MD, Research Assistant, Instructor Rabia Sarıyıldız, MD, Research Assistant, Instructor

COMMITTEE II - RESPIRATORY SYSTEM

AIM and LEARNING OBJECTIVES

AIMS

1. To convey information about biophysical, biological, anatomical, embryological, histological, and physiological properties of respiratory system,
2. To convey information about functional activity of lungs by defining all basic parameters,
3. To convey information about respiratory system anatomy,
4. To convey basic, general knowledge about immunology,
5. To convey basic, general knowledge and information about the structural/biological features and pathogenesis of bacteria,
6. To convey information about good laboratory and clinical practices in research projects,
7. To convey basic knowledge about biostatistics.

LEARNING OBJECTIVES

At the end of this committee, student should be able to:

KNOWLEDGE

1.0. For respiratory system;
   - 1.1. explain biophysical changes,
   - 1.2. associate with the clinical reflections.

2.0. For nose, paranasal sinus, pharynx, larynx, and lung;
   - 2.0. describe their anatomy,
   - 2.1. associate with adjacent tissues and organs,
   - 2.2. explain their functional and clinical reflections.

3.0. Explain developmental stages and list embryological origins of organs,
   - 3.1. Associate the relation between major birth abnormalities and developmental process.
   - 3.2. Explain histological properties of upper respiratory system
   - 3.3. Explain histological properties of lower respiratory system

4.0. Explain functions of the pulmonary system.

5.0. Explain mechanisms of oxygen and carbon dioxide exchange and transportation.

6.0. Describe dynamics of microcirculation together with general and pulmonary circulation.

7.0. Describe nervous (autonomous) control of the pulmonary system.

8.0. Describe dynamics and control of pulmonary circulation.

9.0. Describe the measurement of the spirometry method.

10.0. Explain basics of exercise physiology and the effects of exercise on the cardiovascular and respiratory systems,

11.0. Explain the adaptive changes in the respiratory system in extreme conditions and basic information about pathophysiology of respiratory system disorders.

12.0. For immune system;
   - 12.1. describe the properties of pulmonary immune response
   - 12.2. relate changes with infection diseases.

13.0. Explain inherited and non-inherited genetic mechanisms in neoplasia.

14.0. Describe the structural/biological features of medically important bacteria.

15.0. Describe the medically important Respiratory viruses

16.0. Explain the action and resistance mechanism of antimicrobial agents.

17.0. For endogenous and exogenous harmful agents;
   - 17.1. Describe their mechanisms of cell and tissue damage,
   - 17.2. Describe the adaptation process of cells.

18.0. List pathologies resulting from endogenous and exogenous harmful agents and consequently emerging diseases.

19.0. Explain the molecular mechanism of lung cancer

20.0. Describe how to prepare a scientific research presentation.

21.0. Prepare a research article presentation

22.0. Explain the steps of a statistical hypothesis test according to the properties of a given data.

23.0. For statistical hypothesis,
   - 23.1. list the statistical hypothesis test according to the properties of given date.
   - 23.2. choose the appropriate statistical hypothesis test according to the properties of given data.

24.0. Explain case scenario related basic medical science topics in a clinical context.

COMMITTEE II - RESPIRATORY SYSTEM
COMMITTEE II ASSESSMENT MATRIX

LEARNING OBJECTIVES	DISCIPLINE	LECTURER/ INSTRUCTOR	DISTRIBUTION of MCQs and SbMCQ			
			CE	FE	IE	TOTAL
2.0, 24.0	ANATOMY	Dr. E. Söztutar	11	5	5	21
1.0	BIOPHYSICS	Dr. A. Meherrem	4	2	2	8
22.0-23.0	BIOSTATISTICS	Dr. Ç. Keleş	4	2	2	8
3.0, 24.0	HISTOLOGY & EMBRYOLOGY	Dr. A. Yaba Uçar	2	1	1	12
		Dr. A. Cumbul	4	2	2	
12.0	IMMUNOLOGY	Dr. L. A. Aral	7	4	4	15
19.0	MEDICAL BIOLOGY	Dr. D. Kıraç	2	1	1	4
13.0	MEDICAL GENETICS	Dr. D. Seven	18	9	9	36
14.0-16.0, 24.0	MEDICAL MICROBIOLOGY	Dr. G. Söyletir Dr. R. Can	19	10	10	40
17.0-18.0, 24.0	PATHOLOGY	Dr. A. Sav	9	5	5	19
4.0-11.0, 24.0	PHYSIOLOGY	Dr. M. Kaçar Dr. B. Gemici Başol	18	9	9	36
24.0	PBL		1	0	0	1
		TOTAL	**100**	**35/200#**	**35/200#**	**200**

LEARNING OBJECTIVES	DISCIPLINE	DISTRIBUTION of LAB ASSESSMENT POINTS	
		LPE	QUIZ
2.0, 4.0, 7.0	ANATOMY	**40**	
3.0	HISTOLOGY & EMBRYOLOGY	**10**	
14.0	MEDICAL MICROBIOLOGY	**14**	**6**
5.0, 8.0-11.0	PHYSIOLOGY	**30**	
	TOTAL	**100**	

Total number of MCQs are 100, equal to100 pts. Each question has 1 pt.).
Total value of LPE is equal to 100 points
Committee Score (CS) = 95% of [90% CE (MCQ and SbMCQ) + 10 % (LPE)] + 5% of PBL-P
Abbreviations:
MCQ: Multiple Choice Questions
SbMCQ: Scenario-based Multiple Choice Questions
LPE: Laboratory Practical Exam
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam
Pts.: Points
In FE and ICE**, 35** out of 200 FE and ICE MCQs and SbMCQ will be from Committee II (Each question is 0.5 pt, equal valu

COMMITTEE II - RESPIRATORY SYSTEM
I. WEEK / 20 - 24 Oct 2025

	Monday 20-Oct-2025	Tuesday 21-Oct-2025	Wednesday 22-Oct-2025	Thursday 23-Oct-2025	Friday 24-Oct-2025
09.00- 09.50	PBL	Lecture Molecular Basis of Lung Cancer *Deniz Kıraç*	Lecture Patterns of Single Gene Inheritance *Didem Seven*	Independent Learning	Independent Learning
10.00- 10.50		Lecture Molecular Basis of Lung Cancer *Deniz Kıraç*	Lecture Patterns of Single Gene Inheritance *Didem Seven*	Lecture Infection and Immunity *L. Arzu Aral*	Lecture The Human Genome and Chromosomal Basis of Heredity *Didem Seven*
11.00- 11.50		Lecture Gram Positive Cocci *Güner Söyletir*	Lecture Gram Negative Cocci *Güner Söyletir*	Lecture Infection and Immunity *L. Arzu Aral*	Lecture Test of Hypothesis: Chi-Square *E. Çiğdem Keleş*
12.00- 12.50	Introduction to Committee II Secretary of Committee	Lecture Gram Positive Cocci *Güner Söyletir*	Lecture Gram Negative Cocci *Güner Söyletir*	Lecture Infection and Immunity *L. Arzu Aral*	Lecture Test of Hypothesis: Chi-Square *E. Çiğdem Keleş*
13.00- 13.50	Lunch Break				
14.00- 14.50	Lecture Introduction to Respiratory System *Erdem Söztutar*	Lecture Histology of the Upper Respiratory Tract *Alev Cumbul*	Lecture Cellular Injury and Necrosis *Aydın Sav*	ICP / CSL: IV Cannulation *A. Eceviz / F. A. Gültekin* Group A	Lecture Gram Negative Small Non-enteric Bacilli: Francisella sp., Pasteurella sp. *Güner Söyletir*
15.00- 15.50	Lecture Nasal Anatomy and Paranasal Sinuses *Erdem Söztutar*	Lecture Histology of the Upper Respiratory Tract *Alev Cumbul*	Lecture Cellular Injury and Necrosis *Aydın Sav*	Group A	Lecture Gram Negative Small Non-enteric Bacilli: Haemophilus sp., Bordetella sp., Legionella sp. *Güner Söyletir*
16.00- 16.50	Lecture Introduction to Medical Genetics *Didem Seven*	AFYA for International Students / Independent Learning for Turkish Students	AFYA for International Students / Independent Learning for Turkish Students	SRPC SGS Group B *Soner Doğan*	Lecture Gram Negative Small Non-enteric Bacilli: Brucella sp., Bartonella sp and others *Güner Söyletir*
17.00-17.50	Lecture Introduction to Medical Genetics *Didem Seven*				Independent Learning

IL: Independent Learning, CSL: Clinical Skills Learning, Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE II - RESPIRATORY SYSTEM
II. WEEK / 27 - 31 Oct 2025

	Monday 27-Oct-2025	Tuesday 28-Oct-2025	Wednesday 29-Oct-2025	Thursday 30-Oct-2025	Friday 31-Oct-2025
09.00- 09.50	PBL	Lecture The Larynx *Erdem Söztutar*	NATIONAL HOLIDAY	Independent Learning	Independent Learning
10.00- 10.50		Lecture The Larynx *Erdem Söztutar*		Independent Learning	Lecture Gram Positive Aerobic Bacilli *Güner Söyletir*
11.00- 11.50		Lecture Pulmonary Ventilation *Burcu Gemici Başol*		Lecture Pulmonary Innate Immune Response *L. Arzu Aral*	Lecture Mycobacteria *Güner Söyletir*
12.00- 12.50	Independent Learning	Lecture Pulmonary Ventilation *Burcu Gemici Başol*		Lecture Pulmonary Innate Immune Response *L. Arzu Aral*	Lecture Mycobacteria *Güner Söyletir*
13.00- 13.50	Lunch Break				
14.00- 14.50	Lecture The Pharynx *Erdem Söztutar*	NATIONAL HOLIDAY	NATIONAL HOLIDAY	ICP / CSL: IV Cannulation *C. Şimşek / D. Tav Şimşek* Group B	Lecture Pleura and Diaphragm *Erdem Söztutar*
15.00- 15.50	Lecture The Pharynx *Erdem Söztutar*			Group B / SRPC SGS Group C *Soner Doğan*	Lecture Pleura and Diaphragm *Erdem Söztutar*
16.00- 16.50	Lecture Cytogenetics and Chromosomal Disorders *Didem Seven*				Lecture Pulmonary Circulation, Pulmonary Edema, Pleural Fluid *Mehtap Kaçar*
17.00-17.50	Lecture Cytogenetics and Chromosomal Disorders *Didem Seven*				Lecture Pulmonary Circulation, Pulmonary Edema, Pleural Fluid *Mehtap Kaçar*

IL: Independent Learning, CSL: Clinical Skills Learning, Student groups for laboratory/practice sessions will be announced by coordinators

COMMITTEE II - RESPIRATORY SYSTEM
III. WEEK / 3 - 7 Nov 2025

	Monday 3-Nov-2025	Tuesday 4-Nov-2025	Wednesday 5-Nov-2025	Thursday 6-Nov-2025	Friday 7-Nov-2025
09.00- 09.50	Lecture The Trachea *Erdem Söztutar*	Lecture Histology of The Respiratory Systems: Conducting Part *Alev Cumbul*	Lecture Actimomycetes-Nocardia *Güner Söyletir*	Laboratory / Microbiology Laboratory Identification of Gr(+)cocci and Gr(-)cocci - II *Pınar Çıragil & Aynur Eren Topkaya & Rabia Can & Selvi Duman Bakırezer* Group C	Lecture Pulmonary Adaptive Immune Response *L. Arzu Aral*
10.00- 10.50	Lecture The Lungs *Erdem Söztutar*	Lecture Histology of The Respiratory Systems; Respiratory Part *Alev Cumbul*	Laboratory Lecture / Microbiology *Güner Söyletir* Group A, B, C, D	Group D / Laboratory / Anatomy Upper Respiratory System *Edibe Bilişli Kara & Ahmet Saç* Group 1	Lecture Pulmonary Adaptive Immune Response *L. Arzu Aral*
11:00-11:50	Lecture Diffusion of Blood Gases *Burcu Gemici Başol*	Lecture Transport of Blood Gases *Burcu Gemici Başol*	Laboratory / Microbiology Laboratory Identification of Gr(+)cocci and Gr(-)cocci - I *Pınar Çıragil & Aynur Eren Topkaya & Rabia Can & Selvi Duman Bakırezer* Group A	Group A / Group 2	Lecture Regulation of Respiration *Burcu Gemici Başol*
12:00-12:50	Lecture Diffusion of Blood Gases *Burcu Gemici Başol*	Lecture Transport of Blood Gases *Burcu Gemici Başol*	Group B	Group B	Lecture Regulation of Respiration *Burcu Gemici Başol*
13.00- 13.50	Lunch Break				
14.00- 14.50	Lecture Developmental Genetics and Birth Defects *Didem Seven*	Lecture Mycoplasma-Chlamydia-Rickettsia *Güner Söyletir*	Group C	ICP / CSL: IV Cannulation *M. Yazıcıoğlu / R. Sarıyıldız* Group C	Lecture Development of the Respiratory Systems & Anomalies *Aylin Yaba Uçar*
15.00- 15.50	Lecture Developmental Genetics and Birth Defects *Didem Seven*	Lecture Mycoplasma-Chlamydia-Rickettsia *Güner Söyletir*	Group D	Group C / SRPC SGS Group D *Soner Doğan*	Lecture Development of the Respiratory Systems & Anomalies *Aylin Yaba Uçar*
16.00- 16.50	Independent Learning	AFYA for International Students / Independent Learning for Turkish Students	AFYA for International Students / Independent Learning for Turkish Students	Group C / SRPC SGS Group D *Soner Doğan*	Lecture Molecular Basis of Genetic Diseases *Didem Seven*
17.00-17.50	Independent Learning	AFYA for International Students / Independent Learning for Turkish Students	AFYA for International Students / Independent Learning for Turkish Students	Group C / SRPC SGS Group D *Soner Doğan*	Lecture Tools of Human Molecular Genetics *Didem Seven*

COMMITTEE II - RESPIRATORY SYSTEM
IV. WEEK / 10 – 14 Nov 2025

	Monday 10-Nov-2025	Tuesday 11-Nov-2025	Wednesday 12-Nov-2025	Thursday 13-Nov-2025	Friday 14-Nov-2025
09.00- 09.50	Commemoration of Atatürk	Independent Learning	Independent Learning	Laboratory / Microbiology Laboratory Identification of Gr (+) and (-) non-enteric bacilli – II *Pınar Çıragil & Aynur Eren Topkaya & Rabia Can & Selvi Duman Bakırezer* Group C	Lecture Principle of Surface Tension & Alveolar Mechanic *Akif Meherrem*
10.00- 10.50	Independent Learning	Lecture Aviation, High-Altitude, and Space Physiology *Mehtap Kaçar*	Laboratory Lecture / Microbiology *Güner Söyletir* Group A, B, C, D	Group D	Lecture Principle of Surface Tension & Alveolar Mechanic *Akif Meherrem*
11.00- 11.50	Lecture Modeling in Circulatory & Respiratory Systems *Akif Meherrem*	Lecture Genetics of Complex Diseases *Didem Seven*	Laboratory / Microbiology Laboratory Identification of Gr (+) and (-) non-enteric bacilli – I *Pınar Çıragil & Aynur Eren Topkaya & Rabia Can & Selvi Duman Bakırezer* Group A	Group A	Lecture Respiratory viruses *Rabia Can*
12.00- 12.50	Lecture Modeling in Circulatory & Respiratory Systems *Akif Meherrem*	Lecture Genetics of Complex Diseases *Didem Seven*	Group B Laboratory / Anatomy Larynx-Pleura and Diaphragm *Edibe Bilişli Kara & Ahmet Saç* Group 2	Group B	Lecture Respiratory viruses *Rabia Can*
13.00- 13.50	Lunch Break				
14.00- 14.50	Lecture Cancer Genetics and Genomics *Didem Seven*	Lecture Test of Hypothesis: Chi-Square *E. Çiğdem Keleş*	Group C Group 1	ICP / CSL: IV Cannulation *E.G. Gencer / F.A. Gültekin* Group D	Lecture Antimicrobial Agents: Mechanism of Action *Güner Söyletir*
15.00- 15.50	Lecture Cancer Genetics and Genomics *Didem Seven*	Lecture Test of Hypothesis: Chi-Square *E. Çiğdem Keleş*	Group D	Group D / SRPC SGS Group E *Soner Doğan*	Lecture Antimicrobial Agents: Mechanism of Action *Güner Söyletir*
16.00- 16.50	Lecture Hemodynamics *Aydın Sav*	AFYA for International Students / Independent Learning for Turkish Students	AFYA for International Students / Independent Learning for Turkish Students	Group D / SRPC SGS Group E *Soner Doğan*	Independent Learning
17.00-17.50	Lecture Hemodynamics *Aydın Sav*				Independent Learning

COMMITTEE II - RESPIRATORY SYSTEM
V. WEEK / 17 – 21 Nov 2025

	Monday 17-Nov-2025	Tuesday 18-Nov-2025		Wednesday 19-Nov-2025		Thursday 20-Nov-2025		Friday 21-Nov-2025
09.00- 09.50	Lecture Physiology of Deep-Sea Diving and Hyperbaric Conditions *Mehtap Kaçar*	Laboratory / Physiology Spirometry *Mehtap Kaçar & Burcu Gemici Başol* Group A		Independent Learning		Laboratory / Microbiology Antibacterial susceptibility testing and interpretation II *Pınar Çıragil & Aynur Eren Topkaya & Rabia Can & Selvi Duman Bakırezer* Group A	Laboratory / Physiology Exercise and Metabolism *Mehtap Kaçar & Burcu Gemici Başol* Group C	Independent Learning
10.00- 10.50	Lecture Physiology of Deep-Sea Diving and Hyperbaric Conditions *Mehtap Kaçar*	Group B	Laboratory / Anatomy Lower Respiratory System *Edibe Bilişli Kara & Ahmet Saç* Group 2	Laboratory Lecture / Microbiology *Güner Söyletir* Group A, B, C, D		Group B	Group D	Lecture Injury by Endogenous Substances *Aydın Sav*
11.00- 11.50	Lecture Antimicrobial Agents: Mechanisms of Resistance *Güner Söyletir*	Group C	Group 1	Laboratory / Microbiology Antibacterial susceptibility testing and interpretation I *Pınar Çıragil & Aynur Eren Topkaya & Rabia Can & Selvi Duman Bakırezer* Group C	Laboratory /Histology& Embryology Histology of RS (Trachea, Lung) *Alev Cumbul, Aylin Yaba Uçar* Group 1	Group C	Group A	Lecture Injury by Toxic Substances and Pneumoconiosis *Aydın Sav*
12.00- 12.50	Lecture Antimicrobial Agents: Mechanisms of Resistance *Güner Söyletir*	Group D		Group D		Group D	Group B	Lecture Injury by Toxic Substances and Pneumoconiosis *Aydın Sav*
13.00- 13.50	Lunch Break							
14.00- 14.50	Lecture Treatment of Genetic Disease - Introduction to Gene Therapy *Didem Seven*	Lecture Sports Physiology *Mehtap Kaçar*		Group A	Group 2	ICP / CSL: IV Cannulation *H. Candemir Ercan / R. Sarıyıldız* Group E		Lecture Review of the Respiratory System *Erdem Söztutar*
15.00- 15.50	Lecture Treatment of Genetic Disease - Introduction to Gene Therapy *Didem Seven*	Lecture Sports Physiology *Mehtap Kaçar*		Group B		Group E	SRPC SGS Group A *Soner Doğan*	Lecture Introduction to Pathophysiology of Respiratory System *Mehtap Kaçar*
16.00- 16.50	Lecture Hemorrhage and Thrombosis *Aydın Sav*	AFYA for International Students	Independent Learning for Turkish Students	AFYA for International Students	Independent Learning for Turkish Students			Lecture Introduction to Pathophysiology of Respiratory System *Mehtap Kaçar*
17.00- 17.50	Lecture Hemorrhage and Thrombosis *Aydın Sav*							Independent Learning

COMMITTEE II - RESPIRATORY SYSTEM
VI. WEEK / 24 - 28 Nov 2025

<table>
<tr><th></th><th>Monday
24-Nov-2025</th><th colspan="2">Tuesday
25-Nov-2025</th><th colspan="2">Wednesday
26-Nov-2025</th><th>Thursday
27-Nov-2025</th><th>Friday
28-Nov-2025</th></tr>
<tr><td>09.00- 09.50</td><td rowspan="4">Independent Learning</td><td colspan="2" rowspan="4">Independent Learning</td><td colspan="2" rowspan="4">Independent Learning</td><td>Assessment Session
(Anatomy, Physiology and Histology&Embryology, MicrobiologyPractical Exams)</td><td rowspan="4">Independent Learning</td></tr>
<tr><td>10.00- 10.50</td><td rowspan="3">Assessment Session
Committee II
(MCQ)</td></tr>
<tr><td>11.00- 11.50</td></tr>
<tr><td>12.00- 12.50</td></tr>
<tr><td>13.00- 13.50</td><td colspan="5">Lunch Break</td><td>Program Evaluation Session
Review of the Exam Questions, Evaluation of the Committee II Program
Secretary of the Committee</td><td></td></tr>
<tr><td>14.00- 14.50</td><td rowspan="4">Independent Learning</td><td colspan="2">Independent Learning</td><td colspan="2">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td></tr>
<tr><td>15.00- 15.50</td></tr>
<tr><td>16.00- 16.50</td><td>AFYA for International Students</td><td>Independent Learning for Turkish Students</td><td>AFYA for International Students</td><td>Independent Learning for Turkish Students</td></tr>
<tr><td>17.00- 17.50</td></tr>
</table>

IL: Independent Learning, CSL: Clinical Skills Learning, Student groups for laboratory/practice sessions will be announced by coordinator

MED - 203 - COMMITTEE III - GASTROINTESTINAL SYSTEM and METABOLISM

DISTRIBUTION of LECTURE HOURS
December 1, 2025– January 16, 2026
COMMITTEE DURATION: 7 WEEKS

MED 203	DISCIPLINE / COMPONENTS	THEORETICAL	PRACTICAL	SMALL GROUP DISCUSSION	TOTAL
	ANATOMY	21	2GX6H	0	27
	BIOCHEMISTRY	32	1GX1H 4GX1H	0	35
	BIOPHYSICS	10	0	0	10
	BIOSTATISTICS	4	0	0	4
	HISTOLOGY & EMBRYOLOGY	12	2GX6H	0	16
	IMMUNOLOGY	2	0	0	2
	MEDICAL BIOLOGY	4	0	0	4
	MEDICAL MICROBIOLOGY	17	1GX2H 4GX2H	0	22
	PATHOLOGY	6	0	0	6
	PHYSIOLOGY	17	4GX1H	0	18
	SCIENTIFIC RESEARCH and PROJECT-II	0	0	5GX3H	3
	PBL	0	0	6	6
	TOTAL	**125**	**18**	**9**	**153**
MED 202	**INTRODUCTION to CLINICAL PRACTICE- II**	5	5GX4H		9
INDEPENDENT LEARNING HOURS		104			

Coordination Committee	**Head**	İnci ÖZDEN, PhD Prof.
	Secretary	Müge KOPUZ ALVAREZ NOVAL, PhD Assist. Prof
	Member	Mehtap KAÇAR, MD PhD Prof.
	Member	Aikaterini PANTELİ, MD Lecturer

COMMITTEE III - GASTROINTESTINAL SYSTEM and METABOLISM

LECTURERS

MED 203 BASIC MEDICAL SCIENCES II	
DISCIPLINE	**LECTURERS**
ANATOMY	M.Ayberk KURT, MD, PhD. Prof. Erdem SÖZTUTAR, MD Assist. Prof. Paria SHOJAOLSADATI, PhD. Assist. Prof. Ahmet SAÇ, MD, PhD Lecturer LAB: Edibe BİLİŞLİ KARA, PhD. Lecturer
BIOCHEMISTRY	İnci ÖZDEN, PhD Prof. LAB: Yeşim ÖZARDA, MD, Prof. LAB: Müge KOPUZ ALVAREZ NOVAL, PhD Assist. Prof. LAB: Deniz DEMİRTAŞ, MD
BIOPHYSICS	Akif MEHERREM, PhD Assist. Prof. Bilge GÜVENÇ TUNA, PhD Assoc. Prof.
BIOSTATISTICS	E. Çiğdem KELEŞ, PhD Assist. Prof.
HISTOLOGY & EMBRYOLOGY	Aylin YABA UÇAR, PhD Prof.
	Alev CUMBUL, PhD Assoc. Prof.
IMMUNOLOGY	Latife Arzu ARAL, MD, PhD Prof.
MEDICAL BIOLOGY	Ayşe ÖZER, PhD Prof. Soner DOĞAN, PhD Prof. Deniz KIRAÇ, PhD Prof. Seda GÜLEÇ YILMAZ, PhD, Prof
MEDICAL MICROBIOLOGY	Aynur EREN, MD Prof. Güner SÖYLETİR, MD PhD Prof. Pınar ÇIRAGİL, MD Prof. Sibel ERGÜVEN, MD Prof. Rabia CAN, MD Assoc. Prof LAB: Selvi DUMAN BAKIREZER, PhD
PATHOLOGY	Aydın SAV MD Prof.
PHYSIOLOGY	Mehtap KAÇAR, MD PhD Prof. Burcu GEMİCİ BAŞOL, PhD. Prof.
SCIENTIFIC RESEARCH AND PROJECT-II	Aylin YABA UÇAR PhD Prof. (Responsible Faculty Member) Soner DOĞAN, PhD Prof.

OTHER COURSES

MED 202 INTRODUCTION TO CLINICAL PRACTICE II	
DISCIPLINE	**LECTURERS**
CLINICAL SKILLS LAB	Tümay SADIKOĞLU, MD, Assist. Prof Duygu ALTIPARMAK, MD, Specialist, Instructor E. Güler ÜNVER, Specialist, Instructor

COMMITTEE III - GASTROINTESTINAL SYSTEM and METABOLISM
AIM and LEARNING OBJECTIVES

AIMS

1. To convey information about biophysical, biological, anatomical, embryological, histological, physiological and biochemical properties of gastrointestinal system,
2. To convey knowledge on metabolic events in human organism and their clinical reflections.
3. To convey information about the structural/biological features and pathogenesis of parasites.
4. To convey basic, general knowledge about immunology,
5. To convey information about good laboratory and clinical practices in research projects.
6. To convey basic knowledge about biostatistics.

LEARNING OBJECTIVES

At the end of this committee, student should be able to:

KNOWLEDGE

1.0. Describe metabolic events in human organisms, using concepts of internal energy, work, temperature, entropy, free energy and enthalpy.

2.0. Describe gastrointestinal system biology,
- 2.1 to be able to explain communication of major organs at the molecular level
- 2.2 to be able to define the molecular basis of nutrigenomics
- 2.3 to be able to explain the molecular basis of colorectal cancer

3.0. For oral cavity, temporomandibular joint, chewing muscles, pharynx, esophagus, stomach, small intestine, large intestine, liver, gall bladder and tracts, pancreas, spleen and peritoneum;
- 3.1. describe the anatomy,
- 3.2. associate with adjacent tissue and organs,
- 3.3. explain their functional and clinical reflections.

4.0. For abdominal wall, inguinal canal and portal system;
- 4.1. describe anatomy,
- 4.2. associate with adjacent tissue and organs,
- 4.3. explain their functional and clinical reflections.

5.0. For digestive system and related glands;
- 5.1. classify embryological origins and developmental stages Gastrointestinal Tract
- 5.2. classify embryological origins and developmental stages Gastrointestinal System Glands
- 5.3. associate the relation between birth abnormalities and developmental process
- 5.4. explain the histological properties of Upper Gastrointestinal tract
- 5.5. explain the histological properties of Lower Gastrointestinal tract
- 5.5. explain the histological properties of gland associated with Gastrointestinal system

6.0. For lipid, protein and carbohydrate metabolisms;
- 6.1. describe physiological mechanisms,
- 6.2. the relation to each other,
- 6.3. associate the changes of these relations at fasting and postprandial phase.

7.0. In digestive system;
- 7.1. list exocrine glands secreting acid-neutralizing fluids,
- 7.2. explain their secretion mechanisms,
- 7.3. explain hormonal and neural factors.

8.0. Classify the roles of enzymes and hormones in digestion and absorption of lipids and proteins.

9.0. Explain types and roles of lipoproteins.

10.0. Explain metabolisms of fatty acids, cholesterol, ketone bodies.

11.0. Explain amino acid metabolisms, synthesis of urea and control mechanism of the synthesis.

12.0. Describe the structural/biological features of medically important microorganisms affecting gastrointestinal system.

13.0. Describe the properties of mucosal immunity

14.0. Describe how to prepare a scientific research presentation.

15.0. Prepare a research article presentation

16.0. Explain the steps of a statistical hypothesis test according to the properties of a given data count biostatistical sampling methods.

17.0. For statistical hypothesis,
- 17.1. list the statistical hypothesis test according to the properties of given data
- 17.2. choose the appropriate statistical hypothesis test according to the properties of given data

18.0. Explain case scenario related basic medical science topics in a clinical context.

19.0. Explain inflammatory processes, termination pathways, effects on tissues and mechanisms for inducing diseases.

COMMITTEE III - GASTROINTESTINAL SYSTEM and METABOLISM
COMMITTEE ASSESSMENT MATRIX

LEARNING OBJECTIVES	DISCIPLINE	LECTURER/ INSTRUCTOR	DISTRIBUTION of MCQs and SbMCQ			
			CE	FE	IE	TOTAL
3.0-4.0	ANATOMY	Dr. E.Söztutar	17	7	7	31
6.0, 8.0-11.0, 18.0	BIOCHEMISTRY	Dr. İ. Özden	26	12	12	50
1.0, 18.0	BIOPHYSICS	Dr. A. Meherrem	8	3	3	14
16.0-17.0	BIOSTATISTICS	Dr. E.Ç. Keleş	3	1	1	5
5.0	HISTOLOGY & EMBRYOLOGY	Dr. A. Yaba Uçar Dr. A. Cumbul	10	5	5	20
13.0	IMMUNOLOGY	Dr.L. Arzu Aral	1	1	1	3
2.0	MEDICAL BIOLOGY	Dr. S. Doğan Dr. Ayşe Özer	2	2	2	6
12.0	MEDICAL MICROBIOLOGY	Dr. Sibel Ergüven Dr. Güner Söyletir Dr. Pınar Çıragil Dr. Rabia Can	14	6	6	25
19.0	PATHOLOGY	Dr. A. Sav	4	2	2	9
7.0, 18.0	PHYSIOLOGY	Dr. M. Kaçar Dr. B. Gemici Başol	14	6	6	26
18.0	PBL		**1**	**0**	**0**	1
	TOTAL		**100**	**45/200#**	**45/200#**	

LEARNING OBJECTIVES	DISCIPLINE	DISTRIBUTION of LAB ASSESSMENT POINTS	
		LPE	QUIZ
3.0-4.0	ANATOMY	**60**	
6.0, 8.0.-11.0.	BIOCHEMISTRY	**5**	
5.0.	HISTOLOGY & EMBRYOLOGY	**20**	
12.0.	MICROBIOLOGY	**4**	**1**
7.0.	PHYSIOLOGY	**10**	
TOTAL		**100**	

Total number of MCQs are 100, equal to100 pts. Each question has 1 pt.).
Total value of LPE is equal to 100 points
Committee Score (CS) 95% of [90% CE (MCQ) + 10% (LPE)] + 5% of PBL-P
Abbreviations:
MCQ: Multiple Choice Questions
LPE: Laboratory Practical Exam
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam
Pts.: Points # In FE and ICE**, 41** out of 200 FE and ICE MCQs will be from Committee III (Each question is 0.5 pt, equal value.)

COMMITTEE III - GASTROINTESTINAL SYSTEM and METABOLISM
I. WEEK / 01 – 06 Dec 2025

	Monday 01-Dec-2025	Tuesday 02-Dec-2025	Wednesday 03-Dec-2025	Thursday 04-Dec-2025		Friday 05-Dec-2025
09.00- 09.50	PBL	Lecture Bio-thermodynamics, Laws of Thermodynamics *Akif Meherrem*	Independent Learning	Laboratory / Histology & Embryology Histology of GIS I (Tongue, Lip, Esophaus, Stomach) *Aylin Yaba Uçar* *Alev Cumbul* Group 2	Independent Learning	Lecture Digestion and Absorption of Lipids *İnci Özden*
10.00- 10.50		Lecture Bio-thermodynamics, Laws of Thermodynamics *Akif Meherrem*	Lecture Histology of Upper Gastrointestinal Tract; Oral Cavity *Alev Cumbul*		Laboratory / Anatomy Oral Cavity *Edibe Bilişli Kara &* *Ahmet Saç* Group 1	Lecture Digestion and Absorption of Lipids *İnci Özden*
11.00- 11.50		Lecture Oral Cavity *Erdem Söztutar*	Lecture Histology of Alimentary Canal; Tongue, Esophagus *Alev Cumbul*	Laboratory / Histology & Embryology Histology of GIS I (Tongue, Lip, Esophaus, Stomach) *Aylin Yaba Uçar* *Alev Cumbul* Group1	Group 2	Lecture Test of Hypothesis: z test for comparing proportions *E. Çiğdem Keleş*
12.00- 12.50	Introduction to Committee III *Secretary of Committee*	Lecture Oral Cavity *Erdem Söztutar*	Lecture Histology of Alimentary Canal; Stomach *Alev Cumbul*		Independent Learning	Lecture Test of Hypothesis: z test for comparing proportions *E. Çiğdem Keleş*
13.00- 13.50	Lunch Break					
14.00- 14.50	Lecture GIT Development *Erdem Söztutar*	Lecture Anaerobes *Pınar Çıragil*	Lecture Enterobacterales *Güner Söyletir*	ICP / CSL: Nasogastric Tube Administration *ICP Lecturer* Group A		Lecture Esophagus & Stomach *Erdem Söztutar*
15.00- 15.50	Lecture GIT Development *Erdem Söztutar*	Lecture Anaerobes *Pınar Çıragil*	Lecture Enterobacterales *Güner Söyletir*	Group A *Dr. Tümay Sadıkoğlu / Dr. Duygu Altıparmak/ Dr. Güler Ünver*	SRPC SGS Group B *Soner Doğan*	Lecture Esophagus & Stomach *Erdem Söztutar*
16.00- 16.50	Lecture Interrelationship of Biology of Major Organs *Soner Doğan*	AFYA for International Students / Independent Learning for Turkish Students	AFYA for International Students / Independent Learning for Turkish Students			Independent Learning
17.00-17.50	Independent Learning					Independent Learning

IL: Independent Learning, CSL: Clinical Skills Learning, Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE III - GASTROINTESTINAL SYSTEM and METABOLISM

II. WEEK /08 – 12 Dec 2025

	Monday 08-Dec-2025	Tuesday 09-Dec-2025	Wednesday 10-Dec-2025	Thursday 11-Dec-2025	Friday 12-Dec-2025
09.00- 09.50	PBL	Lecture Histology of Alimentary Canal; Small Intestine *Aylin Yaba Uçar*	Lecture Small Intestine *Erdem Söztutar*	Lecture Gland Associated with the Digestive System; Salivary Glands *Aylin Yaba Uçar*	Lecture Lipogenesis, Triacylglycerol Synthesis *İnci Özden*
10.00- 10.50		Lecture Histology of Alimentary Canal; Large Intestine & Appendix *Aylin Yaba Uçar*	Lecture Small Intestine *Erdem Söztutar*	Lecture Gland Associated with the Digestive System; Liver *Aylin Yaba Uçar*	Lecture Lipogenesis, Triacylglycerol Synthesis *İnci Özden*
11.00- 11.50		Lecture Gastrointestinal Functions *Burcu Gemici Başol*	Lecture Test of Hypothesis: t-tests (one sample) *E. Çiğdem Keleş*	Laboratory / Anatomy Stomach & Duodenum *Edibe Bilişli Kara & Ahmet Saç* Group 2	Lecture The Theory and First Laws of Thermodynamics. Energy Transformation *Akif Meherrem*
12.00- 12.50	Independent Learning	Lecture Gastrointestinal Functions *Burcu Gemici Başol*	Lecture Test of Hypothesis: t-tests (one sample) *E. Çiğdem Keleş*	Group 1	Lecture The Theory and First Laws of Thermodynamics. Energy Transformation *Akif Meherrem*
13.00- 13.50	Lunch Break				
14.00- 14.50	Lecture Transport of Lipids in Plasma *İnci Özden*	Lecture Duodenum *Erdem Söztutar*	Lecture Cholesterol Metabolism *İnci Özden*	ICP / CSL: Nasogastric Tube Administration *ICP Lecturer* Group B	Lecture Nonfermenters *Güner Söyletir*
15.00- 15.50	Lecture Transport of Lipids in Plasma *İnci Özden*	Lecture Duodenum *Erdem Söztutar*	Lecture Cholesterol Metabolism *İnci Özden*	Group B *Dr. Tümay Sadıkoğlu / Dr. Duygu Altıparmak/ Dr. Güler Ünver*	SRPC SGS Group C *Soner Doğan*	Lecture Gram (-) curved bacilli *Güner Söyletir*
16.00- 16.50	Independent Learning	AFYA for International Students / Independent Learning for Turkish Students	AFYA for International Students / Independent Learning for Turkish Students			Independent Learning
17.00-17.50	Independent Learning					Independent Learning

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COMMITTEE III - GASTROINTESTINAL SYSTEM and METABOLISM
III. WEEK / 15 – 19 Dec 2025

	Monday 15-Dec-2025	Tuesday 16-Dec-2025	Wednesday 17-Dec-2025	Thursday 18-Dec-2025	Friday 19-Dec-2025
9.00- 09.50	Lecture Inflammation *Aydın Sav*	Lecture Enteroviruses *Rabia Can*	Lecture Ketone Bodies *İnci Özden*	Lecture Digestion and Absorption of Proteins *İnci Özden*	Lecture Metabolisms of Individual Amino Acids *İnci Özden*
10.00- 10.50	Lecture Wound Healing *Aydın Sav*	Lecture Viruses of diarrhea *Rabia Can*	Lecture Ketone Bodies *İnci Özden*	Lecture Digestion and Absorption of Proteins *İnci Özden*	Lecture Metabolisms of Individual Amino Acids *İnci Özden*
11:00-11:50	Lecture Propulsion and Mixing Movements in the GI Tract *Burcu Gemici Başol*	Lecture Oxidation of Fatty Acids *İnci Özden*	Lecture Secretory Functions of the Alimentary Tract *Burcu Gemici Başol*	Lecture Large Intestine *Erdem Söztutar*	Laboratory / Anatomy Small and Large Intestine *Edibe Bilişli Kara & Ahmet Saç* Group 1
12:00-12:50	Lecture Propulsion and Mixing Movements in the GI Tract *Burcu Gemici Başol*	Lecture Oxidation of Fatty Acids *İnci Özden*	Lecture Secretory Functions of the Alimentary Tract *Burcu Gemici Başol*	Lecture Large Intestine *Erdem Söztutar*	Group 2
13.00- 13.50	Lunch Break				
14.00- 14.50	Lecture Lipolysis *İnci Özden*	Lecture Energetics and Metabolic Rate *Mehtap Kaçar*	Lecture Gland Associated with the Digestive System; Pancreas *Aylin Yaba Uçar*	ICP / CSL: Nasogastric Tube Administration *ICP Lecturer* Group C	Lecture Development of Gastrointestinal Tract; Alimentary Canal *Alev Cumbul*
15.00- 15.50	Lecture Lipolysis *İnci Özden*	Lecture Energetics and Metabolic Rate *Mehtap Kaçar*	Lecture Gland Associated with the Digestive System; APUD *Aylin Yaba Uçar*	Group C *Dr. Tümay Sadıkoğlu / Dr. Duygu Altıparmak/ Dr. Güler Ünver* SRPC SGS Group D *Soner Doğan*	Lecture Development of Gastrointestinal Tract; Glands *Alev Cumbul*
16.00- 16.50	Lecture Nutrigenomics *Soner Doğan*	AFYA for International Students / Independent Learning for Turkish Students	AFYA for International Students / Independent Learning for Turkish Students		Lecture Liver as Organ *Mehtap Kaçar*
17.00-17.50	Lecture Nutrigenomics *Soner Doğan*				Independent Learning

IL: Independent Learning, CSL: Clinical Skills Learning, Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE III - GASTROINTESTINAL SYSTEM and METABOLISM
IV. WEEK / 22 – 26 Dec 2025

	Monday 22-Dec-2025	Tuesday 23-Dec-2025	Wednesday 24-Dec-2025	Thursday 25-Dec-2025	Friday 26-Dec-2025	
09.00- 09.50	Lecture Digestion and Absorption in the Gastrointestinal Tract *Burcu Gemici Başol*	Lecture Regulation of Feeding and Obesity *Burcu Gemici Başol*	Lecture Body Temperature and Its Regulation *Mehtap Kaçar*	Lecture Citric Acid Cycle *İnci Özden*	Lecture Purine and Pyrimidine Metabolism *İnci Özden*	
10.00- 10.50	Lecture Digestion and Absorption in the Gastrointestinal Tract *Burcu Gemici Başol*	Lecture Regulation of Feeding and Obesity *Burcu Gemici Başol*	Lecture Body Temperature and Its Regulation *Mehtap Kaçar*	Lecture The Pancreas and Spleen *Erdem Söztutar*	Lecture Purine and Pyrimidine Metabolism *İnci Özden*	
11.00- 11.50	Lecture Urea Cycle *İnci Özden*	Lecture Metabolic Interrelationships and Provision of Tissue Fuels *İnci Özden*	Lecture Applications of the First Law to Isothermal and Ideobatic Processes *Akif Meherrem*	Lecture The Second Law of Thermodynamics *Akif Meherrem*	Lecture Physiology of Gastrointestinal Disorders *Mehtap Kaçar*	
12.00- 12.50	Lecture Urea Cycle *İnci Özden*	Lecture Metabolic Interrelationships and Provision of Tissue Fuels *İnci Özden*	Lecture Applications of the First Law to Isothermal and Ideobatic Processes *Akif Meherrem*	Lecture Entropy and Free Energy Distribution in Bio-molecular Systems *Akif Meherrem*	Lecture Physiology of Gastrointestinal Disorders *Mehtap Kaçar*	
13.00- 13.50	Lunch Break					
14.00- 14.50	Lecture Hepatitis viruses *Güner Söyletir*	Lecture Liver *Erdem Söztutar*	Laboratory / Anatomy Liver and Biliary System *Edibe Bilişli Kara & Ahmet Saç* Group 2	ICP / CSL: Nasogastric Tube Administration *ICP Lecturer* Group D	Laboratory / Histology & Embryology Gland Associated with the Digestive System; Gall Bladder *Aylin Yaba Uçar* *Alev Cumbul* Group 2	Independent Learning
15.00- 15.50	Lecture Hepatitis viruses *Güner Söyletir*	Lecture Biliary System *Erdem Söztutar*	Group 1	Group D *Dr. Tümay Sadıkoğlu / Dr. Duygu Altıparmak/ Dr. Güler Ünver*	SRPC SGS Group E *Soner Doğan*	Laboratory / Anatomy The Pancreas and Spleen *Edibe Bilişli Kara & Ahmet Saç* Group 1
16.00- 16.50	Lecture Applications of the First Law to Isochoric, Isobaric Processes, Enthalpy *Akif Meherrem*	AFYA for International Students	Independent Learning for Turkish Students	AFYA for International Students	Independent Learning for Turkish Students	Laboratory / Histology & Gland Associated with the Digestive System; Gall Bladder *Aylin Yaba Uçar* *Alev Cumbul* Group1	Group 2
17.00-17.50	Lecture Applications of the First Law to Isochoric, Isobaric Processes, Enthalpy *Akif Meherrem*						Independent Learning

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COMMITTEE III - GASTROINTESTINAL SYSTEM and METABOLISM
V.WEEK / 29 Dec 2025 – 02 Jan 2026

	Monday 29-Dec-2025	Tuesday 30-Dec-2025	Wednesday 31-Dec-2025	Thursday 01-Jan-2026	Friday 02-Jan-2026
09.00- 09.50	Lecture Gastrointestinal and urogenital protozoa *Sibel Ergüven*	Lecture Cestods *Sibel Ergüven*	Lecture Nematodes *Sibel Ergüven*	NEW YEAR	Independent Learning
10.00- 10.50	Lecture Gastrointestinal and urogenital protozoa *Sibel Ergüven*	Lecture Trematodes *Sibel Ergüven*	Lecture Nematodes *Sibel Ergüven*		Progress Test (ONLINE)
11:00-11:50	Lecture Acute Inflammation *Aydın Sav*	Lecture Medical Entomology *Sibel Ergüven*	Laboratory / Microbiology Laboratory Methods in Parasitology *Sibel Ergüven* Group A, B, C, D		
12:00-12:50	Lecture Acute Inflammation *Aydın Sav*	Lecture Congenital anomalies of Gastrointestinal Tract *Alev Cumbul*			Independent Learning
13.00- 13.50	Lunch Break				
14.00- 14.50	Lecture Peritoneal and Abdominal Cavity *Erdem Söztutar*	Lecture Xenobiotic Metabolism *İnci Özden*	Independent Learning	NEW YEAR	Progress Test (ONLINE)
15.00- 15.50	Lecture Abdominal Wall Topographic Anatomy *Erdem Söztutar*	Lecture Xenobiotic Metabolism *İnci Özden*	Independent Learning		
16.00- 16.50	Lecture Molecular Basis of Colorectal Cancer *Ayşe Özer*	AFYA for International Students / Independent Learning for Turkish Students	Independent Learning		Independent Learning
17.00-17.50	Independent Learning		Independent Learning		Independent Learning

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COMMITTEE III - GASTROINTESTINAL SYSTEM and METABOLISM
VI. WEEK / 05 – 09 Jan 2026

	Monday 05-Jan-2026	Tuesday 06-Jan-2026		Wednesday 07-Jan-2026		Thursday 08-Jan-2026		Friday 09-Jan-2026
09.00- 09.50	**Lecture** **Nerves and Vessels of the GIT** *Erdem Söztutar*	**Lecture** **Overview of Metabolism** *İnci Özden*		**Lecture** **Overview of Metabolism** *İnci Özden*		***Laboratory / Histology & Embryology*** ***Histology of GIS II (Jejunum, Colon, Salivary Gl, Liver)*** *Aylin Yaba Uçar* *Alev Cumbul* **Group 1**	**Independent Learning**	**Lecture** **Chronic Inflammation** *Aydın Sav*
10.00- 10.50	**Lecture** **Nerves and Vessels of the GIT** *Erdem Söztutar*	**Laboratory / Microbiology** **Identification of Gram (-) enteric and nonfermenter bacilli** *Güner Söyletir & Pınar Çıragil &* *Aynur Eren Topkaya & Rabia Can & Selvi Duman Bakırezer* **Groups A,B,C,D**		**Laboratory Lecture** **Lipid Determination in Blood** *Yeşim Özarda &* *Müge Kopuz Alvarez Noval & Deniz Demirtaş* **Group A, B, C, D**			**Laboratory / Anatomy** **Abdominal Cavity, Peritoneum, Nerves and Vessels** *Edibe Bilişli Kara & Ahmet Saç* **Group 2**	**Lecture** **Chronic Inflammation** *Aydın Sav*
11:00-11:50	**Lecture** **Overview of Metabolism** *İnci Özden*	**Laboratory / Physiology** **Digestive System** *Mehtap Kaçar &* *Burcu Gemici Başol* **Group A**	**Laboratory / Microbiology** **Identification of Gram (-) enteric and nonfermenter bacilli- I** *Güner Söyletir & Pınar Çıragil &* *Aynur Eren Topkaya & & Rabia Can* *Selvi Duman Bakırezer* **Group D**	**Laboratory / Microbiology** **Identification of Gram (-) enteric and nonfermenter bacilli - II** *Güner Söyletir & Pınar Çıragil &* *Aynur Eren Topkaya & Rabia Can & Selvi Duman Bakırezer* **Group B**	**Laboratory / Biochemistry** **Lipid Determination in Blood** *Yeşim Özarda &* *Müge Kopuz Alvarez Noval & Deniz Demirtaş* **Group C**	***Laboratory / Histology & Embryology*** ***Histology of GIS II (Jejunum, Colon, Salivary Gl, Liver)*** *Aylin Yaba Uçar* *Alev Cumbul* **Group 2**	**Group 1**	**Lecture** **Review of the Digestive System** *Erdem Söztutar*
12:00-12:50	**Lecture** **Overview of Metabolism** *İnci Özden*	**Group B**	**Group C**	**Group A**	**Group D**		**Independent Learning**	**Lecture** **Review of the Digestive System** *Erdem Söztutar*
13.00- 13.50	**Lunch Break**							
14.00- 14.50	**Lecture** **Mucosal Immunity** *L. Arzu Aral*	**Group D**	**Group A**	**Group C**	**Group B**	**ICP / CSL: Nasogastric Tube Administration** *ICP Lecturer* **Group E**		**Independent Learning**
15.00- 15.50	**Lecture** **Mucosal Immunity** *L. Arzu Aral*	**Group C**	**Group B**	**Group D**	**Group A**	**Group E** *Dr. Tümay Sadıkoğlu / Dr. Duygu Altıparmak/ Dr. Güler Ünver*	**SRPC SGS** **Group A** *Soner Doğan*	**Independent Learning**
16.00- 16.50	**Independent Learning**	**AFYA for International Students**	**Independent Learning for Turkish Students**	**AFYA for International Students**	**Independent Learning for Turkish Students**			*Introduction to Elective Courses* *ONLINE*
17.00-17.50	**Independent Learning**							

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COMMITTEE III - GASTROINTESTINAL SYSTEM and METABOLISM
VII. WEEK / 12 – 16 Jan 2026

<table>
<tr><th></th><th>Monday
12-Jan-2026</th><th colspan="2">Tuesday
13-Jan-2026</th><th colspan="2">Wednesday
14-Jan-2026</th><th>Thursday
15-Jan-2026</th><th>Friday
16-Jan-2026</th></tr>
<tr><td>09.00- 09.50</td><td rowspan="4">Independent Learning</td><td colspan="2" rowspan="4">Independent Learning</td><td colspan="2" rowspan="4">Independent Learning</td><td>Assessment Session
(Anatomy, Physiology, Biochemistry, Microbiology and Histology & Embryology Practical Exams)</td><td rowspan="4">Independent Learning</td></tr>
<tr><td>10.00- 10.50</td><td rowspan="3">Assessment Session
Committee III
(MCQ)</td></tr>
<tr><td>11.00- 11.50</td></tr>
<tr><td>12.00- 12.50</td></tr>
<tr><td>13.00- 13.50</td><td colspan="5">Lunch Break</td><td>Program Evaluation Session
Review of the Exam Questions,
Evaluation of the Committee III Program
Secretary of the Committee</td><td>Lunch Break</td></tr>
<tr><td>14.00- 14.50</td><td rowspan="4">Independent Learning</td><td colspan="2">Independent Learning</td><td colspan="2">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td></tr>
<tr><td>15.00- 15.50</td></tr>
<tr><td>16.00- 16.50</td><td>AFYA for International Students</td><td>Independent Learning for Turkish Students</td><td>AFYA for International Students</td><td>Independent Learning for Turkish Students</td></tr>
<tr><td>17.00-17.50</td></tr>
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MIDTERM BREAK: JANUARY 19 – 30, 2026

MED - 203 - COMMITTEE IV - NERVOUS SYSTEM
DISTRIBUTION of LECTURE HOURS
FEBRUARY 2 - MARCH 27, 2026
COMMITTEE DURATION: 8 WEEKS

COURSES	BASIC MEDICAL SCIENCES II	THEORETICAL	PRACTICAL	SMALL GROUP DISCUSSION	TOTAL
MED 203	**DISCIPLINE**				
	ANATOMY	42	2GX14H	0	56
	BIOPHYSICS	3	0	0	3
	BIOSTATISTICS	4	0	0	4
	HISTOLOGY & EMBRYOLOGY	13	2GX2 H	0	15
	IMMUNOLOGY	2	0	0	2
	MEDICAL BIOLOGY	2	0	0	2
	PHARMACOLOGY	9	2GX1 H	0	10
	PHYSIOLOGY	34	4GX6 H	0	40
	SCIENTIFIC RESEARCH and PROJECT-II	0	0	5GX3H	3
	PBL	0	0	6	6
	TOTAL	**109**	**23**	**9**	**141**
MED 202	INTRODUCTION to CLINICAL PRACTICE- II	7	5GX3H	0	23
MED 614-631	ELECTIVE COURSES	14	0	0	14

INDEPENDENT LEARNING HOURS	146

Coordination Committee	**Head**	Erdem SÖZTUTAR, MD PhD
	Secretary	Burçin Tuvana Us, MD PhD
	Member	Mehtap KAÇAR, MD PhD Prof.
	Member	Alev CUMBUL, PhD Assoc. Prof.

COMMITTEE IV- NERVOUS SYSTEM
LECTURERS

MED 203 BASIC MEDICAL SCIENCES II	
DISCIPLINE	**LECTURERS**
ANATOMY	M.Ayberk KURT, MD, PhD. Prof. Erdem SÖZTUTAR MD Assist. Prof. LAB: Edibe BİLİŞLİ KARA, PhD. Lecturer LAB: Ahmet SAÇ, MD, PhD Lecturer
BIOPHYSICS	Akif MEHERREM, PhD Assist. Prof. Bilge GÜVENÇ TUNA, PhD Assoc.Prof.
BIOSTATISTICS	Çiğdem KELEŞ, PhD, Assist. Prof.
HISTOLOGY & EMBRYOLOGY	Aylin YABA UÇAR PhD Prof. Alev CUMBUL, PhD Assoc. Prof.
IMMUNOLOGY	Latife Arzu ARAL, MD PhD Prof.
MEDICAL BIOLOGY	Ayşe ÖZER, PhD Prof. Soner DOĞAN, PhD Prof. Deniz KIRAÇ, PhD Prof. Seda GÜLEÇ YILMAZ, PhD Prof.
PHARMACOLOGY	Ece GENÇ, PhD Prof. Emine Nur ÖZDAMAR, MD Assist. Prof. Cenk Andaç, PhD Assist. Prof.
PHYSIOLOGY	Mehtap KAÇAR, MD PhD Prof. Burcu GEMİCİ BAŞOL, PhD Prof. Cihan Süleyman Erdoğan, PhD Assist. Prof.
SCIENTIFIC RESEARCH AND PROJECT COURSE-II	Aylin YABA UÇAR PhD Prof. (SRP Coordinator) Soner DOĞAN, PhD Prof.

OTHER COURSES

MED 202 INTRODUCTION TO CLINICAL PRACTICE II	
DISCIPLINE	**LECTURERS**
CLINICAL SKILLS LAB	Ezgi AYTAÇ, MD, Assist. Prof

COMMITTEE IV - NERVOUS SYSTEM
AIM and LEARNING OBJECTIVES

AIMS

1. To convey basic knowledge on biophysical, biological, anatomical, embryological, histological, physiological and biochemical properties of nervous system,
2. To convey knowledge on histology and development of central and peripheral nervous system and special senses,
3. To convey knowledge on biological basics of vision, hearing and taste,
4. To convey development mechanisms of inflammatory processes,
5. To convey general knowledge about neuroimmunology,
6. To convey basic knowledge about pharmacology,
7. To convey knowledge about the drugs effecting nervous system,
8. To convey information about good laboratory and clinical practices in research projects.
9. To convey basic knowledge about biostatistics.

LEARNING OBJECTIVES

At the end of this committee, student should be able to:

KNOWLEDGE

1.0. Describe biophysical basis of nervous system.
2.0. Describe biology of nervous system.
3.0. In nervous system;
    3.1. describe the anatomy of cerebrum, cerebellum, meninges, brain stem, cranial nerves and spinal cord,
    3.2. describe limbic and autonomic nervous system, describe the anatomy of structures forming eyes and ears,
    3.3. describe the anatomy of skin and its derivatives and the mammary glands
    3.4. describe descending and ascending pathways,
    3.5. associate with adjacent tissue and organs,
    3.6. explain functional and clinical reflections.
4.0. For central and peripheral nervous system and special senses,
    4.1. classify embryological origins and developmental stages Nervous System
    4.2. classify embryological origins and developmental stages Eye and Ear
    4.3. classify embryological origins and developmental stages Skin
    4.4. explain of the histological properties Nervous System
    4.5. explain of the histological properties Eye and Ear
    4.6. describe histological properties of Skin
5.0. Explain nervous conduction, ion channels and intracellular, extracellular ion concentration differences.
6.0. Describe neuron, neuroglia, neurotransmitters and nerve fibers.
7.0. Explain the synthesis and inactivation of neurotransmitters.
8.0. Describe the energy mechanisms of brain.
9.0. In the nervous system;
    9.1. explain parts and functions of brain cortex,
    9.2. describe sensorial transmission pathways and special senses,
    9.3. describe control of motor function (cortex, cerebellum, basal ganglions and brain stem)
    9.4. describe functions of hypothalamus.
10.0. Explain the relationship of learning-memory with hippocampus.
11.0. For brain waves and reflexes;
    11.1. describe,
    11.2. explain how they are measured in clinics.
12.0. Explain biochemical basics of vision, hearing and taste senses
13.0. In drug metabolism;
    13.1. explain mechanisms and factors affecting absorption, explain mechanisms and factors affecting distribution,
    13.2. explain mechanisms and factors affecting excretion.
14.0. For drug pharmacokinetics;
    14.1. explain clinical importance,
    14.2. analyze examples.
15.0. Describe the properties of neuroimmunology
16.0. Describe how to prepare a scientific research presentation
17.0. Prepare a research article presentation
18.0. Explain the steps of a statistical hypothesis test according to the properties of a given data.
19.0. For statistical hypothesis,
    19.1. list the statistical hypothesis test according to the properties of given data
    19.2. choose the appropriate statistical hypothesis test according to the properties of given data.
20.0. Explain case scenario related basic medical science topics in a clinical context.

COMMITTEE IV - NERVOUS SYSTEM COMMITTEE ASSESSMENT MATRIX

LEARNING OBJECTIVES	DISCIPLINE	LECTURER/ INSTRUCTOR	DISTRIBUTION of MCQs and SbMCQ			
			CE	FE	IE	TOTAL
3.0, 20.0	ANATOMY	Dr. M. A. Kurt Dr. E. Söztutar	38	15	15	68
1.0	BIOPHYSICS	Dr. B. Güvenç Tuna	3	1	1	5
18.0-19.0	BIOSTATISTICS	Dr. E.Ç. Keleş	4	2	2	8
4.0, 20.0	HISTOLOGY & EMBRYOLOGY	Dr. A. Yaba Uçar Dr. A. Cumbul	12	5	5	22
15.0	IMMUNOLOGY	Dr.L. Arzu Aral	2	1	1	4
2.0	MEDICAL BIOLOGY	Dr. S. Güleç Yılmaz	2	1	1	4
13.0-14.0	PHARMACOLOGY	Dr. E. Genç Dr. Emine Nur Özdamar	8	3	3	14
5.0-12.0,20.0	PHYSIOLOGY	Dr. M. Kaçar Dr. B. Gemici Başol Dr. Cihan S. Erdoğan	30	12	12	54
20.0	PBL		1	0	0	1
		TOTAL	**100**	**40/200#**	**40/200#**	

LEARNING OBJECTIVES	DISCIPLINE	POINTS of ASSESSMENT METHODS
		LPE
3.0.	ANATOMY	60
4.0.	HISTOLOGY & EMBRYOLOGY	10
13.0-14.0	PHARMACOLOGY	5
5.0-12.0.	PHYSIOLOGY	25
	TOTAL	**100**

Total value of LPE is equal to 100 points
Committee Score (CS) = 95% of [90% CE (MCQ and SbMCQ) + 10% (LPE)] + 5% of PBL-P
Abbreviations:
MCQ: Multiple Choice Questions
LPE: Laboratory Practical Exam
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam
Pts.: Points#
In FE and ICE**, 41** out of 200 FE and ICE MCQs will be from Committee IV (Each question is 0.5 Pts., equal value.

COMMITTEE IV- NERVOUS SYSTEM
I. WEEK / 2-6 February 2026

	Monday 2-Feb-2026	Tuesday 3-Feb-2026	Wednesday 4-Feb-2026	Thursday 5-Feb-2026	Friday 6-Feb-2026	
09.00-09.50	Independent Learning	Independent Learning	Lecture Scope of Pharmacology and Passage of Drugs Across Membranes *Ece Genç*	Lecture Cranial Nerves *M. Ayberk Kurt*	Lecture Sensory Receptors and Pathways *Mehtap Kaçar* *B. Tuvana Us*	
10.00-10.50	Independent Learning	Lecture Introduction to Neuroanatomy *M. Ayberk Kurt*	Lecture Brainstem *M. Ayberk Kurt*	Lecture Cranial Nerves *M. Ayberk Kurt*	Lecture Peripheral Nervous System *Mehtap Kaçar* *B. Tuvana Us*	
11.00-11.50	Program Improvement Sessions	Lecture Spinal Cord *M. Ayberk Kurt*	Lecture Brainstem *M. Ayberk Kurt*	Lecture Cranial Nerves *M. Ayberk Kurt*	Laboratory / Anatomy Cranial Nerves *M. Ayberk Kurt & Edibe Bilişli Kara & Ahmet Saç* Group 1	
12.00-12.50	Introduction to Committee IV Secretary of Committee	Lecture Spinal Cord *M. Ayberk Kurt*	Lecture Brainstem *M. Ayberk Kurt*	Lecture Cranial Nerves *M. Ayberk Kurt*	Group 2	
13.00-13.50	Lunch Break					
14.00-14.50	PBL	Lecture Organization of Nervous System *Mehtap Kaçar*	Laboratory/ Anatomy Spinal Cord *Aikaterini Panteli & Edibe Bilişli Kara & Ahmet Saç* Group 1	Lecture Synapse and Neurotransmitters *Burcu Gemici Başol*	Elective Courses Week I	Independent Learning
15.00-15.50		Lecture Neuron and Neuroglia *Mehtap Kaçar*	Group 2	Lecture Synapse and Neurotransmitters *Burcu Gemici Başol*		
16.00-16.50		AFYA for International Students	AFYA for International Students	Laboratory / Anatomy Brain stem *M. Ayberk Kurt & Edibe Bilişli Kara & Ahmet Saç* Group 2	Independent Learning	Elective Courses Week I
17.00-17.50	Independent Learning	Independent Learning for Turkish Students	Independent Learning for Turkish Students	Group 1		

IL: Independent Learning, CSL: Clinical Skills Learning, Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE IV- NERVOUS SYSTEM
II. WEEK / 9-13 February 2026

	Monday 9-Feb-2026	Tuesday 10-Feb-2026	Wednesday 11-Feb-2026	Thursday 12-Feb-2026	Friday 13-Feb-2026	
09.00-09.50	PBL	Lecture Cerebellum *M. Ayberk Kurt*	ICP Review Lab	MIDTERM OSCE EXAM	MIDTERM OSCE EXAM	
10.00-10.50		Lecture Cerebellum *M. Ayberk Kurt*				
11.00-11.50		Lecture Physiology of Pain *Mehtap Kaçar*				
12.00-12.50	Independent Learning	Lecture Physiology of Pain *Mehtap Kaçar*				
13.00-13.50	Lunch Break					
14.00-14.50	Lecture Diencephalon *M. Ayberk Kurt*	Lecture Cutaneous Senses *Mehtap Kaçar* *B. Tuvana Us*	Laboratory / Anatomy Cerebellum and Diencephalon *M. Ayberk Kurt & Edibe Bilişli Kara & Ahmet Saç* Group 2	MIDTERM OSCE EXAM	Elective Courses Week II	Independent Learning
15.00-15.50	Lecture Diencephalon *M. Ayberk Kurt*	Lecture Cutaneous Senses *Mehtap Kaçar* *B. Tuvana Us*	Group 1			
16.00-16.50	Lecture Diencephalon *M. Ayberk Kurt*	AFYA for International Students / Independent Learning for Turkish Students	AFYA for International Students / Independent Learning for Turkish Students		Independent Learning	Elective Courses Week II
17.00-17.50	Independent Learning					

L: Independent Learning, CSL: Clinical Skills Learning, Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE IV- NERVOUS SYSTEM
III. WEEK / 16-20 February 2026

	Monday 16-Feb-2026	Tuesday 17-Feb-2026	Wednesday 18-Feb-2026	Thursday 19-Feb-2026	Friday 20-Feb-2026
09.00-09.50	Lecture Motor Functions of Spinal Cord *Mehtap Kaçar* *B. Tuvana Us*	Lecture Dopamine and Drugs Affecting Dopaminergic System *Emine Nur Özdamar*	Laboratory / Anatomy Telencephalon *M. Ayberk Kurt & Edibe Bilişli Kara & Ahmet Saç* Group 1	Lecture Meninges and Dural Venous Sinuses *M. Ayberk Kurt*	Laboratory / Anatomy Limbic system *M. Ayberk Kurt & Edibe Bilişli Kara & Ahmet Saç* Group 2
10.00-10.50	Lecture Motor Functions of Spinal Cord *Mehtap Kaçar* *B. Tuvana Us*	Lecture Telencephalon *M. Ayberk Kurt*	Group 2	Lecture Meninges and Dural Venous Sinuses *M. Ayberk Kurt*	Group 1
11.00-11.50	Lecture Basal Ganglia *M. Ayberk Kurt*	Lecture Telencephalon *M. Ayberk Kurt*	Lecture Limbic System *M. Ayberk Kurt*	Lecture States of Brain Activity- Sleep and Brain Waves Mehtap Kaçar	Lecture Test Hypotheses and Significance-Z-Test Çiğdem Keleş
12.00-12.50	Lecture Basal Ganglia *M. Ayberk Kurt*	Lecture Telencephalon *M. Ayberk Kurt*	Lecture Limbic System *M. Ayberk Kurt*	Lecture States of Brain Activity- Sleep and Brain Waves Mehtap Kaçar	Lecture Test Hypotheses and Significance-Z-Test Çiğdem Keleş
13.00-13:50	Lunch Break				
14.00-14.50	Lecture Histology of CNS; PNS, Meninges, and Spinal Cord *Aylin Yaba Uçar*	Lecture Cortical and Brainstem Control of Motor Function *Mehtap Kaçar* *B. Tuvana Us*	Lecture Functions of Cerebellum and Basal Ganglia in Motor Control *Cihan Süleyman Erdoğan*	ICP / CSL: Intraarterial Blood Sampling *ICP Lecturer* Group A	Elective Courses Week III / Independent Learning
15.00-15.50	Lecture Histology of CNS; PNS, Meninges, and Spinal Cord *Aylin Yaba Uçar*	Lecture Cortical and Brainstem Control of Motor Function *Mehtap Kaçar* *B. Tuvana Us*	Lecture Functions of Cerebellum and Basal Ganglia in Motor Control *Cihan Süleyman Erdoğan*	Group A E.Aytaç / SRPC SGS Group C *Soner Doğan*	Elective Courses Week III / Independent Learning
16.00-16.50	Laboratory / Anatomy Basal Ganglia *M. Ayberk Kurt & Edibe Bilişli Kara & Ahmet Saç* Group 1	AFYA for International Students / Independent Learning for Turkish Students	AFYA for International Students / Independent Learning for Turkish Students		Independent Learning / Elective Courses Week III
17.00-17.50	Group 2				

COMMITEE IV- NERVOUS SYSTEM
IV. WEEK / 23 - 27 February 2026

	Monday 23-Feb-2026		Tuesday 24-Feb-2026		Wednesday 25-Feb-2026		Thursday 26-Feb-2026		Friday 27-Feb-2026	
09.00-09.50	Laboratory / Physiology Reflexes- Electroencephalography *Mehtap Kaçar & Burcu G. Başol* Group D		Lecture Development of Central Nervous System; Early Stages *Aylin Yaba Uçar*		Lecture Vasculature of the CNS *M. Ayberk Kurt*		Lecture Cerebral Cortex, Intellectual Functions of the Brain *Cihan Süleyman Erdoğan*		Lecture Congenital Anomalies of Nervous System *Aylin Yaba Uçar*	
10.00-10.50			Lecture Development of Central Nervous System; Late Stages *Aylin Yaba Uçar*		Lecture Vasculature of the CNS *M. Ayberk Kurt*		Lecture Learning and Memory *Cihan Süleyman Erdoğan*		Lecture Histology of Sensory Organs; Ear *Alev Cumbul*	
11.00-11.50	Laboratory / Physiology Reflexes- Electroencephalography *Mehtap Kaçar & Burcu G. Başol* Group C		Lecture Drug Distribution *Ece Genç*		Lecture Histology of Sensory Organs; Eye; Fibrous and Vascular Coat *Alev Cumbul*		Laboratory / Anatomy Vasculature of CNS *M. Ayberk Kurt & Edibe Bilişli Kara & Ahmet Saç* Group 1		Lecture Histology of Sensory Organs; Ear *Alev Cumbul*	
12.00-12.50		Laboratory / Anatomy Meninges and Dural Venous Sinuses *M. Ayberk Kurt & Edibe Bilişli Kara & Ahmet Saç* Group 1	Lecture Drug Distribution *Ece Genç*		Lecture Histology of Sensory Organs; Eye; Nervous Coat and Appendix *Alev Cumbul*		Group 2		Lecture Serotonin and Drugs Effecting seratonergic System *Emine Nur Özdamar*	
13.00-13:50	Lunch Break									
14.00-14.50	Laboratory / Physiology Reflexes- Electroencephalography *Mehtap Kaçar & Burcu G. Başol* Group B	Laboratory / Anatomy Meninges and Dural Venous Sinuses *M. Ayberk Kurt & Edibe Bilişli Kara & Ahmet Saç* Group 2	Lecture Drug Metabolism *Ece Genç*		Lecture Drug Excretion *Ece Genç*		ICP / CSL: Intraarterial Blood Sampling *ICP Lecturer* Group B		Elective Courses Week IV	Independent Learning
15.00-15.50		Independent Learning	Independent Learning		Lecture Drug Excretion *Ece Genç*		Group B E.Aytaç	SRPC SGS Group D *Soner Doğan*		
16.00-16.50	Laboratory / Physiology Reflexes- Electroencephalography *Mehtap Kaçar & Burcu G. Başol* Group A		AFYA for International Students	Independent Learning for Turkish Students	AFYA for International Students	Independent Learning for Turkish Students			Independent Learning	Elective Courses Week IV
17.00-17.50										

IL: Independent Learning, CSL: Clinical Skills Learning, Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE IV – NERVOUS SYSTEM
V. WEEK / 2-6 March 2026

	Monday 2-Mar-2026	Tuesday 3-Mar-2026	Wednesday 4-Mar-2026	Thursday 5-Mar-2026	Friday 6-Mar-2026
09.00-09.50	Independent Learning	Lecture Development of Sensory Organs: Eye *Alev Cumbul*	Laboratory / Anatomy Eye and Visual Pathways *Erdem Söztutar & Edibe Bilişli Kara & Ahmet Saç* Group 2	Lecture Drug application routes and pharmaceutical forms of drugs *Emine Nur Özdamar*	Lecture Ascending Pathways of the CNS *M. Ayberk Kurt*
10.00-10.50	Lecture Eye and Orbit *Erdem Söztutar*	Lecture Development of Sensory Organs; Ear *Alev Cumbul*	Group 1	Lecture Ear *Erdem Söztutar*	Lecture Descending Pathways of the CNS *M. Ayberk Kurt*
11.00-11.50	Lecture Eye and Orbit *Erdem Söztutar*	Lecture Physiology of Vision *Mehtap Kaçar*	Lecture Chemical Senses: Taste and Smell *Burcu Gemici Başol*	Lecture Ear *Erdem Söztutar*	Laboratory / Anatomy Ear and Auditory Pathways *Erdem Söztutar & Edibe Bilişli Kara & Ahmet Saç* Group 2
12.00-12.50	Lecture Eye and Orbit *Erdem Söztutar*	Lecture Physiology of Vision *Mehtap Kaçar*	Lecture Chemical Senses: Taste and Smell *Burcu Gemici Başol*	Lecture Auditory Pathways *Erdem Söztutar*	Group 1
13.00-13.50	Lunch Break				
14.00-14.50	Lecture Physiology of Vision *Mehtap Kaçar*	Lecture Taste and Smell Pathways *Erdem Söztutar*	Lecture Limbic System and the Hypothalamus *Cihan Süleyman Erdoğan*	ICP / CSL: Intraarterial Blood Sampling *ICP Lecturer* Group C	Elective Courses Week V / Independent Learning
15.00-15.50	Lecture Physiology of Vision *Mehtap Kaçar*	Lecture Taste and Smell Pathways *Erdem Söztutar*	Lecture Limbic System and the Hypothalamus *Cihan Süleyman Erdoğan*	Group C E.Aytaç / SRPC SGS Group E *Soner Doğan*	Elective Courses Week V / Independent Learning
16.00-16.50	Lecture Electrical Activity of Cortex and Evoked Potentials. Neural Coding *Bilge Güvenç Tuna*	AFYA for International Students / Independent Learning for Turkish Students	AFYA for International Students / Independent Learning for Turkish Students	Group C E.Aytaç / SRPC SGS Group E *Soner Doğan*	Independent Learning / Elective Courses Week V
17.00-17.50	Lecture Electrical Activity of Cortex and Evoked Potentials. Neural Coding *Bilge Güvenç Tuna*	AFYA for International Students / Independent Learning for Turkish Students	AFYA for International Students / Independent Learning for Turkish Students	Group C E.Aytaç / SRPC SGS Group E *Soner Doğan*	Independent Learning / Elective Courses Week V

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COMMITTEE IV- NERVOUS SYSTEM
VI.WEEK / 09-14 March 2026

	Monday 09-Mar-2026	Tuesday 10-Mar-2026		Wednesday 11-Mar-2026		Thursday 12-Mar-2026		Friday 13-Mar-2026
09.00-09.50	Laboratory / Physiology Visual Examination *Mehtap Kaçar & Burcu G. Başol* Group D	Lecture Auditory System Biophysics and Function *Bilge Güvenç Tuna*		Lecture Biology of Nervous System *Seda Güleç Yılmaz*		Laboratory / Anatomy Parasympathetic Nervous System *M. Ayberk Kurt & Edibe Bilişli Kara & Ahmet Saç* Group 1		White Coat Ceremony
10.00-10.50		Lecture Introduction to Autonomic Nervous System *M. Ayberk Kurt*		Lecture Biology of Nervous System *Seda Güleç Yılmaz*		Group 2		
11.00-11.50	Laboratory / Physiology Visual Examination *Mehtap Kaçar & Burcu G. Başol* Group A	Lecture Sympathetic Nervous System *M. Ayberk Kurt*		Lecture Physiology of Hearing *Burcu Gemici Başol*		Lecture Autonomic Nervous System *Burcu Gemici Başol*		
12.00-12.50		Lecture Sympathetic Nervous System *M. Ayberk Kurt*		Lecture Physiology of Hearing *Burcu Gemici Başol*		Lecture Autonomic Nervous System *Burcu Gemici Başol*		
13.00-13.50	Lunch Break							
14.00-14.50	Laboratory / Physiology Visual Examination *Mehtap Kaçar & Burcu G. Başol* Group B	Laboratory / Anatomy Sympathetic Nervous System *M. Ayberk Kurt & Edibe Bilişli Kara & Ahmet Saç* Group 2	Laboratory / Pharmacology Drug Metabolism *Ece Genç & Emine Özdamar & Cenk Andaç* Group 1	Lecture Parasympathetic Nervous System *M. Ayberk Kurt*		ICP / CSL: Intraarterial Blood Sampling *ICP Lecturer* Group D		
15.00-15.50		Group 1	Laboratory / Pharmacology Drug Metabolism *Ece Genç & Emine Özdamar & Cenk Andaç* Group 2	Lecture Parasympathetic Nervous System *M. Ayberk Kurt*		Group D E.Aytaç	SRPC SGS Group A *Soner Doğan*	
16.00-16.50	Laboratory / Physiology Visual Examination *Mehtap Kaçar & Burcu G. Başol* Group C	AFYA for International Students	Independent Learning for Turkish students	AFYA for International Students	Independent Learning for Turkish students			
17.00-17.50								

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COMMITTEE IV- NERVOUS SYSTEM
VII.WEEK / 16-20 March 2026

	Monday 16-Mar-2026	Tuesday 17-Mar-2026	Wednesday 18-Mar-2026	Thursday 19-Mar-2026	Friday 20-Mar 2026
09.00-09.50	**Lecture** **Histology of Skin and Appendage: Epidermis, Dermis, Appendage** ***Aylin Yaba Uçar***	**Laboratory/ Physiology** **Hearing test /Galvanized Skin Response** **Group C** ***Mehtap Kaçar &*** ***Burcu Gemici Başol*** **Group C**	**Lecture** **Neuroimmunology** ***L. Arzu Aral***	**Independent Learning**	**RELIGIOUS HOLIDAY**
10.00-10.50	**Lecture** **Development of Skin and Appendage** ***Aylin Yaba Uçar***		**Lecture** **Neuroimmunology** ***L. Arzu Aral***	**Independent Learning**	
11.00-11.50	**Lecture** **Skin, its derivatives, and the Mammary Glands** ***Erdem Söztutar***	**Group D**	**Lecture** **Test Hypotheses and Significance- t-Test** ***Çiğdem Keleş***	**Independent Learning**	
12.00-12.50	**Lecture** **Review to Neuroanatomy** ***M. Ayberk Kurt***		**Lecture** **Test Hypotheses and Significance- t-Test** ***Çiğdem Keleş***	**Independent Learning**	
13.00-13.50	**Lunch Break**				
14.00-14.50	**Laboratory / Histology& Embryology** **Histology of CNS and Skin** ***Alev Cumbul &*** ***Aylin Yaba Uçar*** **Group 1**	**Group A**	**Lecture** **Cerebrospinal Fluid and Brain Metabolism** ***Mehtap Kaçar***	**RELIGIOUS HOLIDAY**	
15.00-15.50	**Laboratory / Anatomy** **Skin And Mammary Glands** ***Erdem Söztutar & Edibe Bilişli*** ***Kara & Ahmet Saç*** **Group 2**		**Lecture** **Cerebrospinal Fluid and Brain Metabolism** ***Mehtap Kaçar***		
16.00-16.50	**Laboratory / Histology& Embryology** **Histology of CNS and Skin** ***Alev Cumbul &*** ***Aylin Yaba Uçar*** **Group 2**	**AFYA for International Students** / **Group B**	**AFYA for International Students** / **Independent Learning for Turkish students**		
17.00-17.50	**Laboratory / Anatomy** **Skin And Mammary Glands** ***Erdem Söztutar & Edibe Bilişli*** ***Kara & Ahmet Saç*** **Group 1**				

IL: Independent Learning, CSL: Clinical Skills Learning, Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE IV- NERVOUS SYSTEM
VIII.WEEK / 23-27 March 2026

<table>
<tr><th></th><th>Monday
23-Mar-2026</th><th>Tuesday
24-Mar-2026</th><th>Wednesday
25-Mar-2026</th><th>Thursday
26-Mar-2026</th><th colspan="2">Friday
27-March-2026</th></tr>
<tr><td>09.00-09.50</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td colspan="2">Assessment Session
(Physiology, Pharmacology, Histology&Embryology, and Anatomy Practical Exams)</td></tr>
<tr><td>10.00-10.50</td><td colspan="2" rowspan="3">Assessment Session
Committee IV Exam (MCQ)</td></tr>
<tr><td>11.00-11.50</td></tr>
<tr><td>12.00-12.50</td><td colspan="4">Lunch Break</td><td colspan="2">Program Evaluation Session Review of the Exam Questions, Evaluation of the CommitteeIV
Program
Secretary of Committee IV</td></tr>
<tr><td>13.00-13.50</td><td rowspan="5">Independent Learning</td><td colspan="2" rowspan="2">Independent Learning</td><td colspan="2" rowspan="2">Independent Learning</td><td rowspan="2">Elective Courses Week VI</td><td rowspan="2">Independent Learning</td></tr>
<tr><td>14.00-14.50</td></tr>
<tr><td>15.00-15.50</td><td rowspan="3">AFYA for International Students</td><td rowspan="3">Independent Learning for Turkish students</td><td rowspan="3">AFYA for International Students</td><td rowspan="3">Independent Learning for Turkish Students</td><td rowspan="3">Independent Learning</td><td rowspan="3">Elective Courses Week VI</td></tr>
<tr><td>16.00-16.50</td></tr>
<tr><td>17.00-17.50</td></tr>
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IL: Independent Learning, CSL: Clinical Skills Learning, Student groups for laboratory/practice sessions will be announced by coordinators

MED - 203 - COMMITTEE V - UROGENITAL and ENDOCRINE SYSTEMS
DISTRIBUTION of LECTURE HOURS
March 30th – Jun 5th, 2026
COMMITTEE DURATION: 10 WEEKS

COURSES	BASIC MEDICAL SCIENCES II	THEORETICAL	PRACTICAL	SMALL GROUP DISCUSSION	TOTAL
MED 203	**DISCIPLINE /COMPONENTS**				
	ANATOMY	15	2GX5H	0	20
	BIOCHEMISTRY	24	4GX1H 1GX1H	0	26
	BIOPHYSICS	3	0	0	3
	BIOSTATISTICS	4	1GX2H	0	6
	HISTOLOGY & EMBRYOLOGY	12	2GX2H	0	16
	IMMUNOLOGY	2	0	0	1
	MEDICAL BIOLOGY	5	0	0	5
	MEDICAL MICROBIOLOGY	2	0	0	2
	PATHOLOGY	7	1GX1H	0	8
	PHARMACOLOGY	13	2GX1H	0	14
	PHYSIOLOGY	28	1GX2H 4GX2H	0	32
	SCIENTIFIC RESEARCH and PROJECT-II	0	0	5GX3H	3
	PBL	0	0	6	6
	TOTAL	**115**	**17**	**9**	**141**
MED 202	INTRODUCTION TO CLINICAL PRACTICE- II	5	5GX3H	0	8
MED 614-631	ELECTIVE COURSES	14	0	0	14

INDEPENDENT LEARNING HOURS	143

Coordination Committee	**Head**	Burcu Gemici BASOL, PhD Prof.
	Secretary	Paria SHOJAOLSADATI, PhD . Assist. Prof.
	Member	Bilge Guvenc TUNA, Ph.D., Assoc. Prof.
	Member	Akif MEHERREM, Ph.D., Assist. Prof.

COMMITTEE V- UROGENITAL and ENDOCRINE SYSTEMS
LECTURERS

MED 203 BASIC MEDICAL SCIENCES II	
DISCIPLINE	**LECTURERS**
ANATOMY	M.Ayberk KURT, MD, PhD. Prof. Erdem SÖZTUTAR, MD, Assist. Prof. Paria SHOJAOLSADATI, PhD. Assist. Prof. LAB: Edibe BİLİŞLİ KARA, PhD. Lecturer LAB: Ahmet SAÇ, MD, PhD. Lecturer
BIOCHEMISTRY	İnci ÖZDEN, PhD, Prof. LAB: Yeşim ÖZARDA, MD, Prof. LAB: Müge KOPUZ, PhD, Assist. Prof. LAB: Deniz DEMİRTAŞ, MD
BIOPHYSICS	Akif MEHERREM, PhD, Assist. Prof. Bilge GÜVENÇ TUNA, PhD, Assoc. Prof.
BIOSTATISTIC	E. Çiğdem KELEŞ, PhD, Assist. Prof.
HISTOLOGY & EMBRYOLOGY	Aylin YABA UÇAR, PhD, Prof. Alev CUMBUL, PhD, Assoc. Prof.
IMMUNOLOGY	Latife Arzu ARAL, MD, PhD Prof.
MEDICAL BIOLOGY	Ayse Ozer, PhD, Prof. Soner Dogan, PhD, Prof. Deniz KIRAÇ, PhD, Prof.
MICROBIOLOGY	Rabia CAN, MD, Assoc. Prof. Pınar ÇIRAGİL, MD, Prof.
PATHOLOGY	Aydın SAV, MD, Prof.
PHARMACOLOGY	Ece GENÇ, PhD, Prof. Emine Nur ÖZDAMAR, MD, Assist. Prof. Cenk ANDAÇ PhD, Assist. Prof.
PHYSIOLOGY	Mehtap KAÇAR, MD PhD, Prof. Burcu GEMİCİ BAŞOL, PhD, Prof.
SCIENTIFIC RESEARCH AND PROJECT COURSE-II	Soner DOĞAN, PhD, Prof. Aylin YABA UÇAR, PhD, Prof.
ELECTIVE COURSES	

MED 202 INTRODUCTION TO CLINICAL PRACTICE II	
DISCIPLINE	**LECTURERS**
CLINICAL SKILLS LAB	Cem ŞİMŞEK, MD. Assist. Prof Mustafa YAZICIOĞLU, MD. Assist. Prof Gökhan GENÇER, MD. Assist. Prof. Hande Candemir, MD. Assist. Prof. Alev ECEVİZ, MD, Specialist, Instructor Dijan TAV ŞİMŞEK, MD, Specialist, Instructor F.Atakan GÜLTEKİN, MD, Research Assistant, Instructor Rabia Sarıyıldız, MD, Research Assistant, Instructor

COMMITTEE V-UROGENITAL AND ENDOCRINE SYSTEMS

AIM AND LEARNING OBJECTIVES

AIMS

1. To convey knowledge about biological, anatomical, embryological, histological, physiological, immunological and biochemical properties of urogenital and endocrine systems.
2. To convey general knowledge about interrelationship of hormones and immunology,
3. To convey knowledge about structural/biological features and pathogenesis of viruses.
4. To convey development mechanisms of neoplasia and its effects and consequences on organism.
5. To convey information about good laboratory and clinical practices in research projects.
6. To convey basic knowledge about biostatistics.

LEARNING OBJECTIVES

At the end of this committee, student should be able to:

KNOWLEDGE

1.0. Describe biology of endocrine system and molecular signal transduction pathways.
2.0. In urogenital system, for male and female genital system organs, kidney, ureter, bladder, urethra, pelvis and perineum;
    2.1. Describe its anatomy,
    2.2. Associate with adjacent tissue and organs,
    2.3. Explain their functional and clinical reflections.
3.0. In endocrine system, for thyroid, parathyroid, suprarenal gland and thymus,
    3.1. Describe its anatomy,
    3.2. Associate with adjacent tissue and organs,
    3.3. Explain their functional and clinical reflections.
4.0. Explain the Histology of Endocrine System;
    4.1. general Aspect, Hypothalamus, Epiphysis
    4.2. explain the Histology of Endocrine System; Hypophysis
    4.3. explain the Histology of Endocrine System; Thyroid and Parathyroid and Suprarenal Glands
    4.4. classify embryological origins and explain developmental stages of Endocrine Organs
5.0. Explain the histological properties of Urinary System; General Aspect, Kidney Nephron
    5.1. explain the histological properties of Urinary System; Excreatory Passage
    5.2. explain the Histology of The Male Genital System; Testis
    5.3. explain the Histology of The Male Genital System; Excreatory Parts
    5.4. explain the Histology of The Female Genital System; Ovaries
    5.5. explain the Histology of The Female Genital System; Conducting Part
    5.6. Classify embryological origins and explain developmental stages of urinary system organs
    5.7. Classify embryological origins and explain developmental stages of male system organs
    5.8. Classify embryological origins and explain developmental stages of female system organs
    5.9. Associate the relation between birth anomalies and developmental processes of urogenital organs
6.0. In endocrine system;
    6.1. Describe endocrine, paracrine and neuroendocrine secretion,
    6.2. Explain the regulatory role of hypothalamus and pituitary gland,
    6.3. List secretions and functions of endocrine glands and organs.
7.0. In urinary system;
    7.1. Explain renal function and structure of nephrons,
    7.2. Explain renal blood flow and mechanisms of urine production,
    7.3. Explain liquid-electrolyte and acid-base equilibrium.
8.0. In genital system;
    8.1. Explain reproductive hormones and their functions in men and women,
    8.2. Describe changes in the maternal body in pregnancy and lactation.
9.0. For hormones;

9.1. Classify according to mechanisms of action,
9.2. Explain their effects and relation to each other.

10.0. Explain biochemical functions of vitamins and minerals.

11.0. Describe factors causing neoplasia, formation, mechanisms of occurrence, and neoplastic diseases in organism, classification and staging of neoplasia.

12.0. Distinguish mechanisms of actions of drugs and explain toxicity of drugs.

13.0. Analyze events developing in response to drug receptor interactions.

14.0. Describe general principles of antimicrobial chemotherapy.

15.0. Describe general principles of cancer chemotherapy.

16.0. Describe pharmacology of inflammation and immunomodulation.

17.0. Describe the structural/biological features of microorganisms affecting urogenital tract

18.0. Describe the interrelationship of hormones and immunology

19.0. Describe the general principles of magnetic resonance imaging

20.0. For correlations between two continuous variables
20.1. Explain linear correlations using scatter plot and correlation coefficients
20.2. Classify the interpretations of the correlation coefficient

21.0. Explain linear regression equation and its features

22.0. Explain case scenario related basic medical science topics in a clinical context.

23.0. Define the prenatal diagnosis and teratology

COMMITTEE V - UROGENITAL and ENDOCRINE SYSTEMS
COMMITTEE ASSESSMENT MATRIX

LEARNING OBJECTIVES	DISCIPLINE	LECTURER/ INSTRUCTOR	DISTRIBUTION of MCQs and SbMCQ			
			CE	FE	IE	TOTAL
2.0-3.0,22.0	ANATOMY	Dr. P. Shojaolsadati	13	6	6	25
9.0-10.0	BIOCHEMISTRY	Dr. İ. Özden	20	9	9	38
19.0	BIOPHYSICS	Dr. B.G. Tuna	3	1	1	5
20.0-21.0	BIOSTATISTICS	Dr. E.Ç. Keleş	3	1	1	5
4.0-5.0,23.0	HISTOLOGY & EMBRYOLOGY	Dr. A. Yaba Uçar Dr. A. Cumbul	11	5	5	21
18.0	IMMUNOLOGY	Dr.L. Arzu Aral	1	1	1	3
1.0	MEDICAL BIOLOGY	Dr. A. Ozer Dr. S. Doğan Dr.D. Kıraç	4	2	2	8
17.0	MEDICAL MICROBIOLOGY	Dr. Rabia Can Dr. Pınar Çıragil	2	1	1	4
11.0	PATHOLOGY	Dr. A. Sav	6	2	2	10
12.0-16.0	PHARMACOLOGY	Dr. E. Genç Dr. E. N. Özdamar Dr. C. Andaç	11	4	4	19
6.0-8.0, 22.0	PHYSIOLOGY	Dr. M. Kaçar Dr. B. Gemici Başol	25	10	10	45
22.0	PBL		1	0	0	1
TOTAL			**100**	**42/200#**	**42/200#**	

LEARNING OBJECTIVES	DISCIPLINE	POINTS of ASSESSMENT METHODS	
		LPE	QUIZ
2.0-3.0	ANATOMY	35	
8.0-9.0	BIOCHEMISTRY	5	
20.0-21.0	BIOSTATISTICS	5	
4.0.	HISTOLOGY & EMBRYOLOGY	10	
10.0.	PATHOLOGY	5	
11.0-15.0.	PHARMACOLOGY	5	
5.0-7.0	PHYSIOLOGY	35	
TOTAL		**100**	

Total number of MCQs are 100, equal to100 pts. Each question has 1 pt.). Total value of LPE is equal to 100 points
Committee Score (CS) 95% of [90% CE (MCQ) + 10% (LPE)] + 5% of PBL-P
Abbreviations:
MCQ: Multiple Choice Questions **LPE:** Laboratory Practical Exam **CE:** Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam
Pts.: Points
In FE and ICE**, 46** out of 200 FE and ICE MCQs will be from Committee I (Each question is equal val

COMMITTEE V – UROGENITAL and ENDOCRINE SYSTEMS
I- WEEK / 30 March – 3 April 2026

	Monday 30-March-2026	Tuesday 31-March-2026		Wednesday 1-April-2026		Thursday 2-April-2026		Friday 3-April-2026	
09.00-09.50	PBL Session-I	Lecture Mechanisms of Hormone Actions, Intracellular and Cell Surface Receptors *İnci Özden*		Independent Learning		Lecture Body Fluids and Functions of Kidneys *Burcu Gemici Başol*		Independent Learning	
10.00-10.50		Lecture Mechanisms of Hormone Actions, Intracellular and Cell Surface Receptors *İnci Özden*		Independent Learning		Lecture Micturition *Burcu Gemici Başol*		Independent Learning	
11.00-11.50		Lecture Mechanism of Drug Action 1 *Ece Genç*		Lecture The Kidneys *Paria Shojaolsadati*		Laboratory/ Anatomy Urinary System *Paria Shojaolsadati & Edibe Bilişli Kara & Ahmet Saç* Group 1		Lecture Urine Formation and Renal Blood Flow *Burcu Gemici Başol*	
12.00-12.50	Independent Learning	Lecture Mechanism of Drug Action 2 *Ece Genç*		Lecture The Kidneys *Paria Shojaolsadati*		Group 2		Lecture Urine Formation and Renal Blood Flow *Burcu Gemici Başol*	
13.00-13.50	Lunch Break								
14.00-14.50	Introduction to Committee V Secretary of Committee	Lecture Mechanisms of Hormone Actions, Intracellular and Cell Surface Receptors *İnci Özden*		Lecture Histology of Urinary System: General Aspect, Kidney Nephron *Aylin Yaba Uçar*		ICP / CSL: Intraarterial Blood Sampling *Ezgi Aytaç* Group E		Elective Courses Week VIII	Independent Learning
15.00-15.50	Lecture Introduction to Urinary System *Paria Shojaolsadati*	Lecture Mechanisms of Hormone Actions, Intracellular and Cell Surface Receptors *İnci Özden*		Lecture Histology of Urinary System: Excretory Passage *Aylin Yaba Uçar*		Group E	SRPC SGS Group C *Soner Doğan*		
16.00-16.50	Lecture Urinary Tracts and Suprarenal Glands *Paria Shojaolsadati*	AFYA for International Students	Independent Learning for Turkish Students	AFYA for International Students	Independent Learning for Turkish Students			Independent Learning	Elective Courses Week VIII
17.00-17.50	Independent Learning								

COMMITTEE V- UROGENITAL and ENDOCRINE SYSTEMS
II. WEEK / 6 - 10 April 2026

	Monday 6-April-2026	Tuesday 7-April-2026	Wednesday 8-April-2026	Thursday 9-April-2026	Friday 10-April-2026
09.00-09.50	PBL Session-II	Lecture Biology of Endocrine System *Deniz Kıraç*	Independent Learning	Independent Learning	Lecture Mechanisms of Hormone Actions, Intracellular and Cell Surface Receptors *İnci Özden*
10.00-10.50		Lecture Molecular Basis of Sexual Differentiation *Deniz Kıraç*	Lecture Introduction to Genital Systems *Paria Shojaolsadati*	Independent Learning	Lecture Mechanisms of Hormone Actions, Intracellular and Cell Surface Receptors *İnci Özden*
11.00-11.50		Lecture Mechanisms of Hormone Actions, Intracellular and Cell Surface Receptors *İnci Özden*	Lecture Male Genital Organs *Paria Shojaolsadati*	Independent Learning	Lecture Histology of The Male Genital System; Testis *Alev Cumbul*
12.00-12.50	Independent Learning	Lecture Mechanisms of Hormone Actions, Intracellular and Cell Surface Receptors *İnci Özden*	Lecture Male Genital Organs *Paria Shojaolsadati*	Independent Learning	Lecture Histology of The Male Genital System; Excretory Parts *Alev Cumbul*
13.00-13.50	Lunch Break				
14.00-14.50	Lecture Urine Formation: Tubular Processing *Burcu Gemici Başo*	Lecture Fluid and Electrolyte Balance *Burcu Gemici Başol*	Independent Learning	ICP / CSL: Bladder Catheterization *Dr. Cem Şimşek / Dr.Dijan Tav Şimşek* Group A	Elective Courses Midterm Exam / Independent Learning
15.00-15.50	Lecture Urine Formation: Tubular Processing *Burcu Gemici Başo*	Lecture Fluid and Electrolyte Balance *Burcu Gemici Başol*	Lecture Spirochete *Pınar Çıragil*	Group A / SRPC SGS Group C *Soner Doğan*	Elective Courses Midterm Exam / Independent Learning
16.00-16.50	Independent Learning	Independent Learning	AFYA for International Students / Independent Learning for Turkish Students	Group A / SRPC SGS Group C *Soner Doğan*	Independent Learning / Elective Courses Midterm Exam
17.00-17.50	Independent Learning	Independent Learning	AFYA for International Students / Independent Learning for Turkish Students	Group A / SRPC SGS Group C *Soner Doğan*	Independent Learning / Elective Courses Midterm Exam

IL: Independent Learning, CSL: Clinical Skills Learning, Student groups for laboratory/practice sessions will be announced by coordinators

COMMITTEE V- UROGENITAL and ENDOCRINE SYSTEMS
III. WEEK / 13-17 April 2026

	Monday 13-April-2026	Tuesday 14-April-2026	Wednesday 15-April-2026	Thursday 16-April-2026	Friday 17-April-2026
09.00-09.50	Laboratory / Anatomy Male Genital Organs *Paria Shojaolsadati & Edibe Bilişli Kara & Ahmet Saç* Group 2	Laboratory / Physiology Glomerular Filtration *Mehtap Kaçar & Burcu G.Başol* Group A	Independent Learning	Lecture Posterior Pituitary Hormones *Mehtap Kaçar*	Lecture Hormones of posterior Pituitary *İnci Özden*
10.00-10.50	Group 1	Laboratory / Physiology Glomerular Filtration *Mehtap Kaçar & Burcu G.Başol* Group B	Lecture Histology of Endocrine System: Thyroid and Parathyroid and Suprarenal Glands *Aylin Yaba Uçar*	Lecture Thyroid Metabolic Hormones *Mehtap Kaçar*	Lecture Hormones of posterior Pituitary İnci Özden
11.00-11.50	Lecture Histology of Endocrine System: General Aspect, Hypothalamus, Epiphysis *Aylin Yaba Uçar*	Laboratory / Physiology Glomerular Filtration *Mehtap Kaçar & Burcu G.Başol* Group C	Lecture Correlation *Çiğdem Keleş*	Lecture Hormones of Hypothalamus and Pituitary *İnci Özden*	Lecture Hormones and Immunity *L. Arzu Aral*
12.00-12.50	Lecture Histology of Endocrine System: Hypophysis *Aylin Yaba Uçar*	Laboratory / Physiology Glomerular Filtration *Mehtap Kaçar & Burcu G.Başol* Group D	Lecture Correlation *Çiğdem Keleş*	Lecture Thyroid Hormones İnci Özden	Lecture Hormones and Immunity *L. Arzu Aral*
13.00-13.50	Lunch Break				
14.00-14.50	Lecture Regulation of Acid-Base Balance *Burcu Gemici Başol*	Lecture Hormones of Hypothalamus and Pituitary İnci Özden	Lecture Introduction to Endocrinology *Mehtap Kaçar*	ICP / CSL: Bladder Catheterization *Dr. Mustafa Yazıcıoğlu / Dr.Atakan Gültekin* Group B	Elective Courses Week VIII Independent Learning
15.00-15.50	Lecture Regulation of Acid-Base Balance *Burcu Gemici Başol*	Lecture Hormones of Hypothalamus and Pituitary İnci Özden	Lecture Pituitary Gland and HypothalamicControl *Mehtap Kaçar*	Group B SRPC SGS Group D *Soner Doğan*	
16.00-16.50	Independent Learning	AFYA for International Independent Learning	AFYA for International Independent Learning		Independent Learning Elective Course

17.00-17.50	Independent Learning	Students		Students					Week VIII

COMMITTEE V- UROGENITAL and ENDOCRINE SYSTEMS
IV. WEEK / 20-24 April 2026

	Monday 20-April-2026	Tuesday 21-April-2026	Wednesday 22-April-2026	Thursday 23-April-2026	Friday 24-April-2026	
09.00-09.50	Lecture Hormones of Adrenal Cortex and Adrenal Medulla İnci Özden	Lecture PTH, Calcitonin, Calcitriol İnci Özden	Lecture Development of Urinary System and Anomalies *Alev Cumbul*	NATIONAL HOLIDAY	Independent Learning	
10.00-10.50	Lecture Hormones of Adrenal Cortex and Adrenal Medulla İnci Özden	Lecture PTH, Calcitonin, Calcitriol İnci Özden	Lecture Development of Genital System; General Aspect *Alev Cumbul*		Independent Learning	
11.00-11.50	Lecture Adrenocortical Hormones *Mehtap Kaçar*	Lecture Female Genital Organs *Paria Shojaolsadati*	Laboratory/ Biostatistics Computer Applications of Tests of Significance Çiğdem Keleş Group A		Independent Learning	
12.00-12.50	Lecture Adrenocortical Hormones *Mehtap Kaçar*	Lecture Female Genital Organs *Paria Shojaolsadati*	Group B		Independent Learning	
13.00-13.50	Lunch Break					
14.00-14.50	Lecture Histology of The Female Genital System; Ovaries *Alev Cumbul*	Lecture Linear Regression *Çiğdem Keleş*	Laboratory / Anatomy Female Genital Organs *Paria Shojaolsadati & Edibe Bilişli Kara & Ahmet Saç* Group 1	NATIONAL HOLIDAY	Elective Course Week IX	Independent Learning
15.00-15.50	Lecture Histology of The Female Genital System; Conducting Part *Alev Cumbul*	Lecture Linear Regression *Çiğdem Keleş*	Group 2			
16.00-16.50	Independent Learning	AFYA for International Students	Lecture Papilloma and polyoma viruses *Rabia Can*		Independent Learning	Elective Courses Week IX
17.00-17.50	Independent Learning		Independent Learning			

COMMITTEE V – UROGENITAL and ENDOCRINE SYSTEMS
V. WEEK / 27 April - 1 May 2026

	Monday 27-April-2026	Tuesday 28-April-2026	Wednesday 29-April-2026	Thursday 30-April-2026	Friday 1-May-2026
09.00-09.50	Lecture Insulin, Glucagon *İnci Özden*	Lecture Insulin, Glucagon *İnci Özden*	Lecture Introduction to Neoplasia and Biologic Behaviors of Neoplasm *Aydın Sav*	Independent Learning	NATIONAL HOLIDAY
10.00-10.50	Lecture Insulin, Glucagon *İnci Özden*	Lecture Insulin, Glucagon *İnci Özden*	Lecture Introduction to Neoplasia and Biologic Behaviors of Neoplasm *Aydın Sav*	Independent Learning	
11.00-11.50	Lecture Insulin, Diabetes Mellitus *Mehtap Kaçar*	Lecture Regulation of Calcium & Phosphate Metabolism and Bone Formation *Mehtap Kaçar*	Lecture Development of Male Genital System and Anomalies *Alev Cumbul*	Independent Learning	
12.00-12.50	Lecture Insulin, Diabetes Mellitus *Mehtap Kaçar*	Lecture Regulation of Calcium & Phosphate Metabolism and Bone Formation *Mehtap Kaçar*	Lecture Development of Female Genital System and Anomalies *Alev Cumbul*	Independent Learning	
13.00-13.50	Lunch Break				
14.00-14.50	Laboratory / Histology Histology of ES & US (Kidney, Hypophysis, Thyroids, Pancreas) *Alev Cumbul & Aylin Yaba Uçar* Group 1	Lecture Regulation of Calcium & Phosphate Metabolism and Bone Formation *Mehtap Kaçar*	Lecture Nerves of the Pelvis *Paria Shojaolsadati*	ICP / CSL: Bladder Catheterization *Dr. Alev Eceviz / Dr.Rabia Sarıyıldız* Group C	NATIONAL HOLIDAY
15.00-15.50		Lecture Regulation of Calcium & Phosphate Metabolism and Bone Formation *Mehtap Kaçar*	Lecture Vasculature of the Pelvis *Paria Shojaolsadati*	Group C	SRPG SGS Group E
16.00-16.50	Group 2	AFYA for International Students	Independent Learning	AFYA for International Students	Independent Learning
17.00-17.50					

IL: Independent Learning, CSL: Clinical Skills Learning, Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE V- UROGENITAL and ENDOCRINE SYSTEMS
VI. WEEK / 4 - 8 May 2026

	Monday 4-May-2026	Tuesday 5-May-2026	Wednesday 6-May-2026	Thursday 7-May-2026	Friday 8-May-2026
09.00-09.50	Lecture Basics of MRI Bilge Güvenç Tuna	Lecture Male ReproductivePhysiology *Mehtap Kaçar*	Lecture Hormones Regulating Calcium Metabolism İnci Özden	Lecture Female Reproductive Physiology *Mehtap Kaçar*	Lecture Vasoactive Compounds *Emine Nur Özdamar*
10.00-10.50	Lecture Basics of MRI Bilge Güvenç Tuna	Lecture Male Reproductive Physiology *Mehtap Kaçar*	Lecture Hormones Regulating Calcium Metabolism İnci Özden	Lecture Female Reproductive Physiology *Mehtap Kaçar*	Lecture Histamine and Antihistamines *Emine Nur Özdamar*
11.00-11.50	Lecture Post-receptor Events and Second Messengers *Cenk Andaç*	*Lecture* *Drug Toxicity-1* *Cenk Andaç*	Lecture Introduction to Rational Pharmacotherapy *Emine Nur Özdamar*	Laboratory / Anatomy Perineum and Ischiorectal Fossa *Paria Shojaolsadati & Edibe Bilişli Kara & Ahmet Saç* Group 1	Laboratory / PHARMACOLOGY Efficacy and Potency Concepts Ece Genç & Emine Nur Özdamar&Cenk Andaç Group 1
12.00-12.50	Lecture Introduction to Drug Development *Cenk Andaç*	*Lecture* *Drug Toxicity-2* *Cenk Andaç*	Lecture Eicosanoids *Emine Nur Özdamar*	Group 2	Group 2
13.00-13:50	Lunch Break				
14.00-14.50	Lecture Pharmacogenetics & Pharmacogenomics *Ece Genç*	Lecture Development of Biopharmaceuticals *Cenk Andaç*	Lecture Prenatal Diagnosis, Teratology, and Congenital Anomalies *Alev Cumbul*	ICP / CSL: Bladder Catheterization Dr. Gökhan Gencer/ Dr.Atakan Gültekin Group D	Elective Courses Week XI / Independent Learning
15.00-15.50	Lecture Pharmacogenetics & Pharmacogenomics *Ece Genç*	Lecture Seeing with Sound: Images from Echoes (Diagnostic Ultrasound Imaging) *Bilge Güvenç Tuna*	Lecture Perineum and Ischiorectal Fossa *Paria Shojaolsadati*	Group D / SRPC SGS Group A *Soner Doğan*	Elective Courses Week XI / Independent Learning
16.00-16.50	Laboratory / Anatomy Nerves and Vessels of the Pelvis *Paria Shojaolsadati* & Edibe Bilişli Kara & Ahmet Saç Group 2	AFYA for International Students / Independent Learning	AFYA for International Students / Independent Learning	Group D / SRPC SGS Group A *Soner Doğan*	Independent Learning / Elective Courses Week XI
17.00-17.50	Group 1	AFYA for International Students / Independent Learning	AFYA for International Students / Independent Learning	Group D / SRPC SGS Group A *Soner Doğan*	Independent Learning / Elective Courses Week XI

COMMITEE V- UROGENITAL and ENDOCRINE SYSTEMS
VII. WEEK / 11"-15 May 2026

	Monday 11-May-2026	Tuesday 12-May-2026	Wednesday 13-May-2026	Thursday 14-May-2026	Friday 15-May-2026
09.00-09.50	Independent Learning	Lecture Physiology of Growth Hormones *Mehtap Kaçar*	Independent Learning	Lecture Hormone Signal Transduction (Insulin) *Ayse Ozer*	Lecture Hormone Signal Transduction (Estrogen) *Soner Dogan*
10.00-10.50	Independent Learning	Lecture Pineal Gland & Melatonin *Mehtap Kaçar*	Independent Learning	Lecture Review of the Urinary System *Paria Shojaolsadati*	Lecture Hormone Signal Transduction (Estrogen) *Soner Dogan*
11.00-11.50	Lecture Minerals *İnci Özden*	Lecture Physiology of Growth Hormones *Mehtap Kaçar*	Independent Learning	Laboratory/ Biostatistics Computer Applications of Tests of Significance Çiğdem Keleş Group C	Lecture Pregnancy and Lactation *Mehtap Kaçar*
12.00-12.50	Lecture Minerals *İnci Özden*	Lecture Pineal Gland & Melatonin *Mehtap Kaçar*	Independent Learning	Group D	Lecture Pregnancy and Lactation *Mehtap Kaçar*
13.00-13:50	Lunch Break				
14.00-14.50	Laboratory / Histology Histology of Genital Systems (Testis, Vas Defferentes, Ovary, Uterus) *Alev Cumbul & Aylin Yaba Uçar* Group 2	Laboratory / Physiology Dissection and Examination of Endocrine System *Mehtap Kaçar & Burcu G.Başol* Group A,B,C,D	Lecture Histogenesis and Nomenclature *Aydın Sav*	ICP / CSL: Bladder Catheterization Dr. Hande Candemir Ercan / Dr.Rabia Sarıyıldız Group E	Elective Courses Week XII
15.00-15.50			Lecture Histogenesis and Nomenclature *Aydın Sav*	Group E	SRPC SGS Group B *Soner Doğan*
16.00-16.50	Group 1	AFYA for International Students	AFYA for International Students		ICP review Group A-B-C-D-E
17.00-17.50		Independent Learning	Independent Learning		Elective Courses Week XII

IL: Independent Learning, CSL: Clinical Skills Learning, Student groups for laboratory/practice sessions will be announced by coordinator

COMMITTEE V – UROGENITAL and ENDOCRINE SYSTEMS
VIII. WEEK / 18-22 May 2026

	Monday 18-May-2026	Tuesday 19-May-2026	Wednesday 20-May-2026	Thursday 21-May-2026	Friday 22-May-2026	
09.00-09.50	Independent Learning	NATIONAL HOLIDAY	Lecture Fetal and Neonatal Physiology *Mehtap Kaçar*	Independent Learning	Laboratory / BIOCHEMISTRY Urine Analyses *Müge Kopuz Alvarez Noval &Yeşim Özarda & Deniz Demirtaş* Group A	Laboratory / Physiology Metabolic Rate *Mehtap Kaçar & Burcu G.Başol* Group D
10.00-10.50	Independent Learning		Lecture Endocrine Distruptors *Mehtap Kaçar*	Lecture Endocrine Organs *Paria Shojaolsadati*	Laboratory / BIOCHEMISTRY Urine Analyses Group D	Laboratory / Physiology Metabolic Rate Group A
11.00-11.50	Independent Learning		Lecture Tissue Damage by Eating Disorders and Diabetes Mellitus *Aydın Sav*	Lecture Endocrine Organs *Paria Shojaolsadati*	Laboratory / BIOCHEMISTRY Urine Analyses Group B	Laboratory / Physiology Metabolic Rate Group C
12.00-12.50	Independent Learning		Laboratory/Pathology Inflammation and Neoplasia *Aydın Sav*	Laboratory Lecture Urine Analyses *Müge Kopuz Alvarez Noval &Yeşim Özarda & Deniz Demirtaş* *Group A, B, C, D*	Laboratory / BIOCHEMISTRY Urine Analyses Group C	Laboratory / Physiology Metabolic Rate Group B
13.00-13:50	Lunch Break					
14.00-14.50	Independent Learning	NATIONAL HOLIDAY	Lecture Vitamins *İnci Özden*	Independent Learning	Elective Courses Week XIII	Independent Learning
15.00-15.50	Independent Learning		Lecture Vitamins *İnci Özden*	Independent Learning		
16.00-16.50	Independent Learning		AFYA for International Students / Independent Learning	Independent Learning	Independent Learning	Elective Courses Week XIII
17.00-17.50	Independent Learnig			Independent Learning		

COMMITTEE V – UROGENITAL and ENDOCRINE SYSTEMS
IX. WEEK / 25-29 May 2026

	Monday 25-May-2026	Tuesday 26-May-2026	Wednesday 27-May-2026	Thursday 28-May-2026	Friday 29-May-2026
09.00- 09.50	Independent Learning	NATIONAL HOLIDAY	NATIONAL HOLIDAY	NATIONAL HOLIDAY	NATIONAL HOLIDAY
10.00- 10.50					
11.00- 11.50					
12.00- 12.50					
13.00- 13.50					
14.00- 14.50	Independent Learning	NATIONAL HOLIDAY	NATIONAL HOLIDAY	NATIONAL HOLIDAY	NATIONAL HOLIDAY
15.00- 15.50					
16.00- 16.50					
17:00-17:50					

COMMITTEE V – UROGENITAL and ENDOCRINE SYSTEMS
X. WEEK / 1-5 Jun 2026

<table>
<tr><th></th><th>Monday
1-Jun-2026</th><th>Tuesday
2-Jun-2026</th><th>Wednesday
3-Jun-2026</th><th>Thursday
4-Jun-2026</th><th colspan="2">Friday
5-Jun-2026</th></tr>
<tr><td>09.00- 09.50</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td colspan="2">Assessment Session
Practical Exams
Anatomy, Physiology, Biochemistry,
Microbiology, Pathology,
Pharmacology, Biostatistics and
Histology & Embryology</td></tr>
<tr><td>10.00- 10.50</td><td colspan="2" rowspan="3">Assessment Session
Theoretical Exam
Committee V
(MCQ)</td></tr>
<tr><td>11.00- 11.50</td></tr>
<tr><td>12.00- 12.50</td><td colspan="4" rowspan="2">Lunch Break</td></tr>
<tr><td>13.00- 13.50</td><td colspan="2">Program Evaluation Session
Review of the Exam Questions,
Evaluation of the Committee V Program
Secretary of the Committee</td></tr>
<tr><td>14.00- 14.50</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="2">Elective Courses Week
XIV</td><td rowspan="2">Independent Learning</td></tr>
<tr><td>15.00- 15.50</td></tr>
<tr><td>16.00- 16.50</td><td rowspan="2">Independent Learning</td><td rowspan="2">Elective Courses Week
XIV</td></tr>
<tr><td>17:00-17:50</td></tr>
</table>

STUDENT COUNSELING

Student counseling is a structured development process established between the student and the consultant that aims to maximize student success by focusing the student to her/his target. Although the major component of this relationship is the student, the faculties also take part by bringing the requirements of this interaction to their systems. The targeted outcomes of the consultant-student interaction are success in the exams, success in the program, and preparation for the professional life.
The aim of counseling is to help students to solve their problems, to give professional guidance, to provide coaching, to contribute to adopting the habit of lifelong learning, to provide information about the University and Faculty, to follow their success and failure and to help them select courses.
The consultants selected among Basic Medical Sciences instructors for the first three years transfer the students to Clinical Sciences instructors for the following three years.

The topics that will be addressed by the consultants are as follows:

a) Inform students about the university, faculty and surrounding facilities
b) Inform students about the courses and help them select courses
c) Inform students about the education and assessment regulations
d) Follow students' attendance to lectures and success
e) In case of failure, investigate the causes and cooperate with the students to overcome them
f) Help students in career planning
g) Contribute to students adapting the habit of lifelong learning
h) Guide students to counseling services of the university
i) Set a role model as long as the professional susceptibility, professional guidance, intellectual responsibility, interaction with peers, ethics, professional values are concerned
j) Contribute to cultivation of professional and intellectual development in a rapidly changing world
k) Inform the coordinator when there are unsolved problems of the students
l) Consultant-student relationship is a dynamic and mutual process carried out within the campus and the hospital. It is recommended that the consultant and the student meet at least twice during a semester.

The expectations from the student are as follows:

a) Contribute to improvement of satisfaction level in the problem areas
b) Report the social and economic conditions that require consultant’s help
c) Specify expectations from the education and the department from which this training is taken
d) Give feedback on the counseling services regarding their satisfaction level

Student counsellors will be appointed after finalization of the class list and will be announced to the students. After the announcement of the counsellors on the information board, each student is expected to contact his/her counsellor until the end of the current committee.

*** Student counseling is conducted through the Yeditepe University Faculty of Medicine Education Management System (EYS). The names of the assigned advisors can be accessed via the EMS platform.”**

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