YEDİTEPE UNIVERSITY

FACULTY OF MEDICINE

PHASE I

ACADEMIC PROGRAM BOOK

2017 - 2018

Student's;
Name : .....
Nr : .....

YEDİTEPE UNIVERSITY

FACULTY OF MEDICINE

PHASE I

Contents

YEDİTEPE UNIVERSITY FACULTY OF MEDICINE
PROGRAM OUTCOMES OF MEDICAL EDUCATION *, **

Abbreviations: PO: Program Outcomes, POD: Program Outcomes Domain, PODG: Program Outcomes Domain Group

PODG.1. Basic Professional Competencies

POD.1.1. Clinical Competencies

PO.1.1.1. ***values*** preventive health services, ***offers*** primary prevention (i.e. prevention of diseases for the protection of health), secondary prevention (i.e. early diagnosis and treatment) tertiary prevention (i.e. rehabilitation) and quaternary prevention (i.e. prevention of excessive and unnecessary diagnosis and treatment) services, ***provides*** consultancy on these issues.
PO.1.1.2. ***employs*** a patient-centered approach in patient management.
PO.1.1.3. ***recognizes*** most frequently occurring or significant clinical complaints, symptoms, signs, findings and their emergence mechanisms in clinical conditions.
PO.1.1.4. ***takes*** medical history from the applicant himself/herself or from the individual's companions.
PO.1.1.5. ***does*** general and focused physical and mental examination.
PO.1.1.6. ***interprets*** findings in medical history, physical and mental examination.
PO.1.1.7. ***employs*** diagnostic procedures that are used frequently at the primary health care level.
PO.1.1.8. ***selects*** tests that have evidence-based high efficacy at the primary health care level and ***interprets*** results.
PO.1.1.9. ***makes*** clinical decisions using evidence-based systematic data in health care service.
PO.1.1.10. ***performs*** medical interventional procedures that are used frequently at the primary health care level.
PO.1.1.11. ***manages*** healthy individuals and patients in the context of health care services.
PO.1.1.12. ***keeps*** medical records in health care provision and ***uses*** information systems to that aim.

POD.1.2. Competencies related to Communication

PO.1.2.1. throughout his/her career, ***communicates*** effectively with health care beneficiaries, co-workers, accompanying persons, visitors, patient's relatives, care givers, colleagues, other individuals, organizations and institutions.
PO.1.2.2. ***collaborates*** as a team member with related organizations and institutions, with other professionals and health care workers, on issues related to health.
PO.1.2.3. ***recognizes*** the protection and privacy policy for health care beneficiaries, co-workers, accompanying persons and visitors.
PO.1.2.4. ***communicates*** with all stakeholders taking into consideration the socio-cultural diversity.

POD.1.3. Competencies Related to Leadership and Management

PO.1.3.1. ***manages*** and ***leads*** within the health care team in primary health care organization.
PO.1.3.2. ***recognizes*** the principles of health management and health sector economy, models of organization and financing of health care services.
PO.1.3.3. ***recognizes*** the resources in the health care service, the principles for cost-effective use.

POD.1.4. Competencies related to Health Advocacy

PO.1.4.1. ***recognizes*** the health status of the individual and the community and the factors affecting the health, ***implements*** the necessary measures to prevent effects of these factors on the health.
PO.1.4.2. ***recognizes*** and ***manages*** the health determinants including conditions that prevent access to health care.

POD.1.5. Competencies related to Research

PO.1.5.1. ***develops***, ***prepares*** and ***presents*** research projects

POD.1.6. Competencies related to Health Education and Counseling

PO.1.6.1. ***provides*** consultancy services and ***organizes*** health education for the community to sustain and promote the health of individual and community**.**

PODG.2. Professional Values and Perspectives

POD.2.1. Competencies related to Law and Legal Regulations

PO.2.1.1. ***performs*** medical practices in accordance with the legal framework which regulates the primary health care service.

POD.2.2. Competencies Related to Ethical Aspects of Medicine

PO.2.2.1. ***recognizes*** basic ethical principles completely, and ***distinguishes*** ethical and legal problems.
PO.2.2.2. ***pays importance to*** the rights of patient, patient's relatives and physicians, and ***provides*** services in this context.

POD.2.3. Competencies Related to Social and Behavioral Sciences

PO.2.3.1. ***relates*** historical, anthropological and philosophical evolution of medicine, with the current medical practice.
PO.2.3.2. ***recognizes*** the individual's behavior and attitudes and factors that determine the social dynamics of the community.

POD.2.4. Competencies Related to Social Awareness and Participation

PO.2.4.1. ***leads*** community with sense of responsibility, behavior and attitudes in consideration of individual behaviors and social dynamics of the community, and if there is a necessity, ***develops*** projects directed towards health care services.

POD.2.5. Competencies Related to Professional Attitudes and Behaviors

PO.2.5.1. ***displays*** a patient-centered and holistic (biopsychosocial) approach to patients and their problems.
PO.2.5.2. ***respects*** patients, colleagues and all stakeholders in health care delivery.
PO.2.5.3. ***displays*** the proper behavior in case of disadvantaged groups and situations in the community.
PO.2.5.4. ***takes*** responsibility for the development of patient safety and healthcare quality.
PO.2.5.6. ***evaluates*** own performance as open to criticism, ***realizes*** the qualifications and limitations.

PODG.3. Personal Development and Values

POD.3.1.Competencies Related to Lifelong Learning

PO.3.1.1. ***embraces*** the importance of lifelong self-learning and ***implements***.

PO.3.1.2. ***embraces*** the importance of updating knowledge and skills; ***searches*** current advancements and ***improves*** own knowledge and skills.

PO.3.1.3. ***uses*** English language at least at a level adequate to follow the international literature and to establish communication related to the profession.

POD.3.2. Competencies Related to Career Management

PO.3.2.1. ***recognizes*** and ***investigates*** postgraduate work domains and job opportunities.

PO.3.2.2. ***recognizes*** the application requirements to postgraduate work/job domains, and ***distinguishes*** and ***plans*** any requirement for further training and work experience.

PO.3.2.3. ***prepares*** a resume, and ***recognizes*** job interview methods.

POD.3.3. Competencies Related to Protection and Development of Own Physical and Mental Health

PO.3.3.1. ***implements*** the rules of healthy living.

PO.3.3.2. ***displays*** appropriate behavior specific to work under stressful conditions.

PO.3.3.3. ***uses*** self-motivation factors.

COORDINATION COMMITTEE

(TEACHING YEAR 2017–2018)

Elif Çiğdem ALTUNOK, Ph.D, Assist. Prof. (Coordinator)
Soner DOĞAN Ph.D, Assoc. Prof. (Co-coordinator)
Bilge GÜVENÇ TUNA Ph.D, Assist. Prof. (Co-coordinator)
Aylin YABA UÇAR, Ph.D, Assist. Prof. (Co-coordinator)
Oya ALAGÖZ, MD, Assist. Prof. (Co-coordinator)

ICP-I COORDINATION COMMITTEE

Özlem TANRIÖVER MD, Assoc. Prof. (Coordinator)
Ayşe Arzu AKALIN MD, Assist. Prof. (Co-coordinator)

PBL COORDINATION COMMITTEE

Sabri KAMAHLI, MD, Prof. (Coordinator)
İbrahim Çağatay ACUNER, MD, Assoc. Prof. (Coordinator)
Serdar ÖZDEMİR, MD, PhD, Assist. Prof. (Co-coordinator)

DESCRIPTION AND CONTENT

Normal Physiology, Basic Sciences and Medical Terms.

Introduction to Basic Sciences, Cell, Tissue I, Tissue II, Energy and Metabolism.

Organic Chemistry, Biophysics, Medical Biology, Medical History, Anatomy, Anatomical Drawing, Physiology, Histology & Embryology, Medical Biochemistry, Medical Microbiology, Immunology, Family Medicine, Medical Education, Biostatistics, Humanities, Behavioral Sciences, Ethics, Turkish Language and Literature, Principles of Atatürk and Modern History of Turkey.

AIM AND LEARNING OBJECTIVES of PHASE I

AIM

To convey basic knowledge on medical history, organic chemistry, biology, biophysics, biochemistry, biostatistics, anatomy, physiology, embryology, histology, microbiology, immunology, behavioral sciences, civilization history and medical ethics.

To convey complementary educational experiences by improving biopsychosocial approach on medical practice.

To prepare students to clinical practice.

LEARNING OBJECTIVES

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

KNOWLEDGE

1.0.explain information about medical history, anatomy, physiology, embryology, histology, organic chemistry, biology, biophysics, biochemistry, biostatistics, microbiology, immunology, behavioral sciences, civilization history and medical ethics and elective courses.
2.0.for biophysics;
2.1.explain basic terms and concepts.
2.2.explain its essential application areas in medicine.
3.0.explain the structure and function of the cell at cellular level.
4.0.list the developmental processes from zygote to organogenesis.
5.0.define four essential tissues forming the body, cells and intercellular materials.
6.0.define the link between the structure and function of tissues.
7.0.define muscular, vascular and nervous system.
8.0.list basic properties and classes of microorganisms.
9.0.describe basic terms and concepts about first aid.
10.0.describe basic terms and concepts of communication skills.
11.0.describe basic terms and concepts about epidemiology.
12.0.list fundamental steps of a research study.
13.0.describe basic terms of concepts of biostatistics.
14.0.explain case scenario related basic medical science topics in a clinical context.
15.0.define basic elements of immune response

SKILLS

1.0.apply first aid skills on anatomic model.
2.0.use communication skills in patient-doctor interviews in simulated settings.
3.0.present research data with tables and graphs.
4.0.apply basic laboratory techniques and use equipments.
5.0.use biopsychosocial approach on medical practice.
6.0.display (demonstrate) scientific reasoning, information literacy and skills of self-directed, life-long learning.
7.0.present and write a scientific article

ATTITUDES

1.0.value teamwork, interpersonal skills, and significance of psychosocial issues

BASIC MEDICAL SCIENCES I (MED 104)

AIM

To convey basic knowledge on medical history, organic chemistry, biology, biophysics, biochemistry, biostatistics, anatomy, physiology, embryology, histology, microbiology, immunology, behavioral sciences, civilization history and medical ethics.

LEARNING OBJECTIVES

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

KNOWLEDGE

1.0.explain information about medical history, anatomy, physiology, embryology, histology, organic chemistry, biophysics, biochemistry, microbiology, behavioral sciences, civilization history and medical ethics
2.0.for biophysics
    2.1.explain basic terms and concepts.
    2.2.explain its essential application areas in medicine.
5.0.explain the structure and function of the cell at cellular level.
6.0.list the developmental processes from zygote to organogenesis.
7.0.define four essential tissues forming the body, cells and intercellular materials.
8.0.define the link between the structure and function of tissues.
9.0.define muscular, vascular and nervous system.
10.0.list basic properties and classes of microorganisms.
11.0.describe basic terms and concepts about epidemiology.
12.0.list fundamental steps of a research study.
13.0.describe basic terms of concepts of biostatistics.
14.0.explain case scenario related basic medical science topics in a clinical context.
15.0.define basic elements of immune response

SKILLS

1.0.apply basic laboratory techniques and use equipments.
2.0.display (demonstrate) scientific reasoning, information literacy and skills of self-directed, life-long learning.
3.0.present and write a scientific article

ATTITUDES

1.0. value teamwork, interpersonal skills, and significance of psychosocial issues

INTRODUCTION to CLINICAL PRACTICE I (ICP-I) (MED 102)

AIM

The aim of Introduction to Clinical Practice Program is to equip the students with basic medical skills 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.

LEARNING OBJECTIVES

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

KNOWLEDGE

1.0. describe basic terms and concepts about first aid.
2.0. describe basic terms and concepts of communication skills.

SKILLS

1.0.apply first aid skills on anatomic model.
2.0.use communication skills in patient-doctor interviews.

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 the first and third year students while it is 4 ECTS for the second year students 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, develop skills in Basic Life Support, Patient/Casualty Transportation and Bandaging Techniques regarding to First Aid. They also acquire basic knowledge on communication and experience patient-doctor encounter with simulated patients (SP's)*.

The second years ICP Program consist of modules like handwashing, wearing sterile gloves, assessing vital signs, nasogastric intubation, bladder catheterization, intramuscular, subcutaneous, intradermal and intravenous injections as well as iv. catheterization.

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 provide transition of students from the classroom to standardized patient contact in safe environments.

Encounters with specially trained individuals, known as simulated patients (SPs), simulate specific cases in outpatient and emergency settings. The pool of SPs consist of adults, from various backgrounds.

Clinical cases are created through research and extensive training of the patients portraying these roles.

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

Rules for Attendance of the Students: Students are grouped into 4 and group lists are announced in the 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 course coordinator. 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.

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.

ANATOMICAL DRAWING (MED 103)

AIM

1.0. to convey basic knowledge on anatomical drawing rules and drawing technique.
2.0. to equip with skills of three dimensional interpretation of bones and muscles in human body.
3.0. to equip with skills of drawing bones and muscles in human body.
4.0. to equip with skills of visually explain clinical conditions to patient.

LEARNING OBJECTIVES

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

KNOWLEDGE

1.0. list rules associated with anatomical drawing.
2.0. represent real axonometrical view under 120^0 angle based on frontal, horizontal and profile views of human body.

SKILLS

1.0. draw frontal, horizontal and profile views of muscles in human body.
2.0. draw frontal, horizontal and profile views of bones in human body.
3.0. explain visually clinical conditions to patients.

ASSESSMENT PROCEDURE:

For the assessments of the medical students for the anatomical drawing class, it is calculated out of 100 points; 70 points of which comes from the 10 different drawing home works (each has equal value) and 30 points comes from the theoretical exams. Passing grade is 50 points and above.

SCIENTIFIC PROJECTS - I

The purpose of Scientific Projects I is to teach the medical students how to read and write a scientific article. Throughout the year, each Phase One student is expected to prepare an article report and present it in Small Group Study hours that will run in parallel with ICP classes. Students are free to choose their articles from given journal list for article reading part. All article reports are due before the end of first half of the educational year.

In second half; students are given a scenario of scientific data and are expected to write an article on their choice of scenarios, individually. Drafts of the articles will be discussed in Small Group Study hours. Scientific Projects course has 4% contribution to Term Score (TS).

Please note that it is mandatory to attend to Small Group Study hours in the assigned group hours. A list of groups will be published during the first week of the term.

SCIENTIFIC PROJECTS ARTICLE READING ASSESSMENT TABLE

CRITERIA	Unsatisfactory	Below Expectations	Meets Expectations	Above Expectations	Clearly Outstanding	Not Addressed / Observed
Gathering all the information together and using creativity in the report	1	2	3	4	5	0
Report's compliance to template	1	2	3	4	5	0
Presentation slides	1	2	3	4	5	0
Timely Presentation	1	2	3	4	5	0
Presentation of results (Tables, graphs etc.)	1	2	3	4	5	0
Discussion	1	2	3	4	5	0
References	1	2	3	4	5	0
Opinions/Suggestions	1	2	3	4	5	0
TOTAL POINTS	**40 x 2,5=100 pts (if all criteria has 5 points)**					

SCIENTIFIC PROJECTS ARTICLE WRITING ASSESSMENT TABLE

CRITERIA	Unsatisfactory	Below Expectations	Meets Expectations	Above Expectations	Clearly Outstanding	Not Addressed / Observed
Abstract Writing	1	2	3	4	5	0
Introduction	1	2	3	4	5	0
Methods Part (including statistics, ethical issues etc)	1	2	3	4	5	0
Presentation of results (Tables, graphs etc.)	1	2	3	4	5	0
Discussion	1	2	3	4	5	0
References	1	2	3	4	5	0
Article as a whole (representing the given mock data)	1	2	3	4	5	0
Overall presentation	1	2	3	4	5	0
TOTAL POINTS	**40 x 2,5=100 pts (if all criteria has 5 points)**					

ELECTIVE COURSES

Elective courses aim to provide 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. For further information on elective course contents, please see: http://med.yeditepe.edu.tr/ders-programlari
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.

Code	Subject		
MED 611	**Medical Anthropology**		
Goals	This course aims to provide, different perspectives of medical issues according to anthropological holistic approach for medical students. To present how social science interprets concepts of health, sickness, illness and disease. To show how culture bound symptoms can vary from culture to culture. To discuss all health problems are universal or cultural and how anthropology describes medical phenomenon by theoretically and methodologically.		
Content	To explain that what is anthropology? What is medical anthropology? What is the relationships between social science and medical? Why we need to be explain some concepts according to perspectives of medical anthropology? The meaning of symptoms: cultural bound symptoms, the personal and social meaning of illness, the stigma and shame of illness, What is the positioning of medical doctors for patients and caregivers; Doctor-Patient relations, patients associations, Biological Citizenship, Medicalized Selves, Biopolitics.		
Course Learning Outcomes	At the end of this course, the student should be able to emphasize cultural patterns of health. investigate how human behavior that lives in a society is affected by own cultural health patterns. discuss case studies about how cultural phenomenon affects human and public health. understand importance of health that is constructed within culture structure by human society. examine universal definition of health “state of complete physical, mental and social well-being” culturally. realize interaction between items of cultural system and health system basically; get into the level of knowledge, skills and attitudes		
Assessment		**NUMBER**	**PERCENTAGE**
	Assignments	1	100
	Total	1	**100**

Code	Subject		
MED 612	**Creative Drama**		
Goals	The aim of this course is the development of independence, creativity, self-control and problem-solving potential and the development of communication skills of medical students by using drama and creativity through improvisation of exercises		
Content	Discovering, learning and teaching approaches that are student-centered in a curiosity focused setting with various cognitive and active learning styles.		
Course Learning Outcomes	At the end of this course, the student should be able to show drama skills in vocational areas benefiting from access to creativity, collaboration and empathy which are the ways of learning through play and improvisation.		
Assessment		**NUMBER**	**PERCENTAGE**
	Assignments	1	50
	Final Examination	1	50
	Total		**100**

Code	Subject		
MED 613	**Medical Humanities**		
Goals	This course aims to offer a wide variety of subjects related with art, history, cultural values, social movements, philosophy and many other areas. Main targets of this course are to improve Professionalism and Communication Skills and to support the students to develop an understanding about human and his interaction with universe.		
Content	Main concepts of professionalism such as altruism, accountability, excellence, duty, honor and integrity, respect for others and communication skills will be covered through the lectures of history of medicine in an anthropological concept, medicine in literature and visual arts, and cinemeducation.		
Course Learning Outcomes	At the end of this course, the student should be able to gain an understanding of the history of medicine as one of social and cultural transformation in the conception of professionalism, disease and what constitutes illness and health through the centuries. develop the skills to write an essay using primary source documents in the context of the history of medicine. gain view of different reflections of medicine in literature and visual arts. develop a point of view to use literature and visual arts as an imagination instrument of compassion, to tolerate ambiguity, to dwell in paradox, to consider multiple points of view. develop better observational and interpretive skills, by using the power of visual arts to elicit an emotional response in the observer. gain understanding about the main values and various dimensions of professionalism. gain insight about his/her own values and develop humanistic values. develop a deeper understanding of human being in various contexts. gain understanding about the various factors which influence health in individual and community level. gain understanding to use films as a comprehensive guide in medical practice. reflect through films to improve their cognitive and emotional awareness.		
Assessment		**NUMBER**	**PERCENTAGE**
	Assignments	1	50
	Final Examination	1	50
	Total		**100**

Code	Subject		
MED 614	**Personal Trademark Development**		
Goals	The aim of this course is to equip the students with skills in creating personal image for successful business life and with appropriate behavior in social platforms.		
Content	Business Etiquette creation techniques and personal image methodologies with case studies.		
Course Learning Outcomes	At the end of this course, the student should be able to create personal brand for successful business life. use behavioral codes for business etiquette.		
Assessment		**NUMBER**	**PERCENTAGE**
	Midterm Exam (MCQ, Fill in the Blanks, T/F Questions, mostly based on case studies)	1	25
	Presentations and Reports (Interactive Team Work, Social Skills Development, based on subjects studied during classes and applications of them on MED areas & discussions after each presentation)	1	25
	Attendence (Showing interest to classes, performance during discussion times, performance during pair works, attending classes etc.)		5
	Quiz ((Short quizzes to keep students updated about lectures, prepare them to midterm & final, based on subjects studied in the class, Essay or MCQ)	3	5
	Final Exam (MCQ, Fill in the Blanks, T/F Questions, mostly based on case studies)	1	40
	Total		**100**

Code	Subject		
MED 615	**Innovation Management**		
Goals	The aim of this course is to convey to the students knowledge on innovative approaches for visionary life, describe the philosophy of futurism.		
Content	Strategies for futurism and applied case studies for personal innovation.		
Course Learning Outcomes	At the end of this course, the student should be able to use futuristic strategies to create innovative approaches. use innovative and creative thinking techniques in professional life.		
Assessment		**NUMBER**	**PERCENTAGE**
	Midterm Exam (MCQ, Fill in the Blanks, T/F Questions, mostly based on case studies)	1	25
	Presentations and Reports (Interactive Team Work, Social Skills Development, based on subjects studied during classes and applications of them on MED areas & discussions after each presentation)	1	25
	Attendence (Showing interest to classes, performance during discussion times, performance during pair works, attending classes etc.)		5
	Quiz ((Short quizzes to keep students updated about lectures, prepare them to midterm & final, based on subjects studied in the class, Essay or MCQ)	5	5
	Final Exam (MCQ, Fill in the Blanks, T/F Questions, mostly based on case studies)	1	40
	Total	8	**100**

Code	Subject		
MED 616	**Medical Management and New Services Design Skills**		
Goals	The aim of this course is to develop leadership skills to manage a team and organizational skills in the case of emergency and lack of crew. Moreover, empathy skills will be developed to create better relationship with the patients, coworkers and customers.		
Content	Leadership Styles, Skills needed in Med, Strategies for New Generation Leadership, Empathy Techniques, Problem Solving with Empathy, and Conciliation with Empathy.		
Course Learning Outcomes	At the end of this course, the student should be able to develop leadership skills to manage teams. use empathy techniques for conciliation with their patients and co-workers.		
Assessment		**NUMBER**	**PERCENTAGE**
	Midterm Exam (MCQ, Fill in the Blanks, T/F Questions, mostly based on case studies)	1	25
	Presentations and Reports (Interactive Team Work, Social Skills Development, based on subjects studied during classes and applications of them on MED areas & discussions after each presentation)	1	25
	Attendence (Showing interest to classes, performance during discussion times, performance during pair works, attending classes etc.)		5
	Quiz ((Short quizzes to keep students updated about lectures, prepare them to midterm & final, based on subjects studied in the class, Essay or MCQ)	4	5
	Final Exam (MCQ, Fill in the Blanks, T/F Questions, mostly based on case studies)	1	40
	Total		**100**

Code	Subject		
MED 617	**Personal Brand Management Skills**		
Goals	This course aimes to teach how to deal with stress under different conditions. Besides, effective production skills under stress and time constraints will be subject of the course. This course also will be very helpful for career development. The tools will be offered to students for better communication, presentation and managerial skills.		
Content	In the content of this course; stress and time management for effective production, personal goal settings, motivation and effective communication will be used. Breathing techniques, diction exercises and body language will help to improve student's personal development. Moreover, managerial skills development subjects will be held. Presentations and homework will be used as effective learning tools in this course.		
Course Learning Outcomes	At the end of this course, the student should be able to apply stress and time management skills in their personal development and career.		
Assessment		**NUMBER**	**PERCENTAGE**
	Midterm Exam (MCQ, Fill in the Blanks, T/F Questions, mostly based on case studies)	1	25
	Presentations and Reports (Interactive Team Work, Social Skills Development, based on subjects studied during classes and applications of them on MED areas & discussions after each presentation)	1	25
	Attendence (Showing interest to classes, performance during discussion times, performance during pair works, attending classes etc.)		5
	Quiz ((Short quizzes to keep students updated about lectures, prepare them to midterm & final, based on subjects studied in the class, Essay or MCQ)	4	5
	Final Exam (MCQ, Fill in the Blanks, T/F Questions, mostly based on case studies)	1	40
	Total		**100**

Code	Subject		
MED 619	**Entrepreneurship and Storytelling Techniques for Business Purposes**		
Goals	This course aims to equip students with storytelling techniques to make smart decisions, communicate better, think creatively and use this modern technique to manage their professional relations.		
Content	Strategies for storytelling techniques and applications.		
Course Learning Outcomes	At the end of this course, the student should be able to use storytelling techniques in workplace to make decisions, communicate better and think creatively.		
Assessment		**NUMBER**	**PERCENTAGE**
	Midterm Exam (MCQ, Fill in the Blanks, T/F Questions, mostly based on case studies)	1	25
	Presentations and Reports (Interactive Team Work, Social Skills Development, based on subjects studied during classes and applications of them on MED areas & discussions after each presentation)	1	25
	Attendence (Showing interest to classes, performance during discussion times, performance during pair works, attending classes etc.)		5
	Quiz ((Short quizzes to keep students updated about lectures, prepare them to midterm & final, based on subjects studied in the class, Essay or MCQ)	5	5
	Final Exam (MCQ, Fill in the Blanks, T/F Questions, mostly based on case studies)	1	40
	Total		100

Code	Subject		
MED 620	**Art, Culture and Life Styles**		
Goals	Healthcare members will have high level social status for their business life; and will join several international conferences. This course aims to develop their social and intellectual skills to make them global citizens with art, culture, fashion and life style knowledge.		
Content	Life Style Coaching for participants, Cultural Festivals Through Europe, Art Exhibitions and Movements, Sportive Life Coaching.		
Course Learning Outcomes	At the end of this course, the student should be able to develop intellectual wealth and cultural knowledge. change their life styles for better perspective. increase quality of life. establish work-life balance.		
Assessment		**NUMBER**	**PERCENTAGE**
	Midterm Exam	1	25
	Assignments (Homework)	1	25
	Evaluation of Group Presentations	1	5
	Final Exam	1	45
	Total		**100**

Code	Subject		
MED 621	**Epidemiological Research and Evidence Based Medicine**		
Goals	The aim is to provide understanding of epidemiological language and terminology by reading, examining and discussing various types of epidemiological research papers and to develop the desire and enthusiasm for epidemiological studies.		
Content	Different sessions for each type of epidemiological research will be held. The selected research types are case report, cross-sectional, case- control, cohort study, and randomized controlled trial.		
Course Learning Outcomes	At the end of this course, the student should be able to comprehend various types of epidemiological research. explain basic epidemiological terminology.		
Assessment		**NUMBER**	**PERCENTAGE**
	Group work performance		50
	Presentations		50
	Total		**100**

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:

1.0. To provide basic information about the YUFM/UG-ME.
2.0. To provide basic information about the phase.
3.0. To provide essential information on social programs and facilities.

Rules of the Session:

4.0. The session will be held in two types, conducted by Phase Coordinator and Committee/Clerkship Coordinator, respectively.
5.0. 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.
6.0. 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 Medical Faculty Undergraduate Program in Medicine (YUFM/UG-ME), Work Descriptions and Introduction of Committees/Clerkships/Members,
- Directives on YUFM/UG-ME,
- YMF-GPM Program Outcomes
- Learning Objectives of the Phase
- Academic Program of the Phase
- Teaching and Learning Methods
- Learning Environments and Sources/Resources
- Attendance
- Elective Courses (only in Phase Iand Phase II)
- 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.

Committee 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 improvements session will be implemented once a year. The implementation will be performed at the begining 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 the 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

1. The phase coordinator will present the program improvements report to the students and the faculty members.
2. 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

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

A SHORT GUIDE FOR STUDENTS TO PROBLEM-BASED LEARNING (PBL)

In Phase I 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 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**	
Starts discussion							
Contributes with valid questions and ideas							
Balances listening and speaking roles							

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**	
Determines valid learning issues							
Finds valid sources							
Makes independent research on learning issues							
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**	
Selects data valid for discussion and presentation							
Expresses ideas and knowledge clearly and in an understandable way							
Draws figures, diagrams clearly and in an understandable way							
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**	
Generates hypotheses independently							
Reviews hypotheses critically							
Integrates basic science and clinical concepts							
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**	
Is sensitive to psychosocial factors affecting patients							
Treats all group members as colleagues							
Accepts feedback properly							
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 scenario (i.e. following the completion of two consecutive sessions).

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'

ASSESSMENT PROCEDURE

The Assessment Procedure of the Phase I covers exams and scores and their abbrevations that shown below.

- Exams:
  - Committee Exam (CE)
  - Mid-term Exam (MTE)
  - Final Exam (FE)
  - Incomplete Exam (ICE)
  - Make-up Exam (MUE)
- Scores*:
  - Committee Score (CS)
  - Committees Mean Score (CMS)
  - Introduction to Clinical Practice Score (ICPS)
  - Anatomical Drawing Score (ADS)
  - Common Compulsary Course Score (CCCSs)
  - Elective Course Score (ECSs)
  - Scientific Project Score (SPS)
  - Final Exam Score (FES)
  - Incomplete Exam Score (ICES)
  - Term Score (TS)

* All scores have a range of 0-100 points.

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

Assessment Approaches	**ssessment 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
		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		CS
Performance–based Assessment	PWPE: Project Writing and Presenting Evaluation	PWPE Checklist		SPS, ECSs
	AID: Anatomical Images Drawing			ADS
	PBL-P: Evaluation of PBL Student's Performance	PBL Student Evaluation Form		CS

Exams Information (MED 104, MED 102)	
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 to 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 104,MED 102,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. Contribution of student's performance during PBL sessions to CSs of Committee II, III and V is **5%.**
CMS	= Average of CSs
ICPS	= (40% MTE_{ICP}) + (60% Final OSCE)
ADS	= (70% AID_{AD}) + (30% FE_{AD})
CCCSs	= Score information will be announced by Course Coordinator.
ECSs	= Score information is shown pages of Elective Courses in the APB.
SPS	= Score information is shown in below Scientific Projects Assessment Table.
FES	= Final Exam Score
ICES	= Incomplete Exam Score
TS *for students, who are exempted from FE*	= 96% of CMS + 4% of SPS
TS *for students, who are not exempted from FE*	= 96% of (60% of CMS + 40% of FES or ICES) + 4% of SPS

Pass or Fail Calculations of the Courses
Basic Medical Sciences I (MED 104)
Pass; *TS* **≥ *50***
Fail; *FES* **< *50*** *(barrier point), ICES* **< *50*** *(barrier point), or/and TS* **< *50***
The student is exempted from FE, if the CMS is **≥ *75*** *and all CSs are* **≥ *50***
The FE and ICE barrier point is not applied to the students whose all CSs are **≥ *50***
Introduction to Clinical Practice I (MED 102)
Pass; *ICPS* **≥ *50***
Fail; *ICPS* **< *50***
Anatomical Drawing (MED 103)
Pass; *ADS* **≥ *50***
Fail; *ADS* **< *50***
Common Compulsary Courses (HUM 103, TKL 201, TKL 202, HTR 301, HTR 302)
Pass; *CCCSs* **≥ *50***
Fail; *CCCSs* **< *50***
Elective Courses (MED 611, MED 612, MED 613, MED 614, MED 615, MED 616, MED 617, MED 619, MED 620, MED 621)
Pass; *ECSs* **≥ *50***
Fail; *ECSs* **< *50***

The Assessment Procedure of the Phase I will be announced and explained in the introductory session at the beginning of the academic year.

Definitions of the Assessment Methods and Question Types

MCQ consist 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 questions. That they test knowledge in a far more applied, in depth, sense. SbMCQ is based on a clinical, research or daily life scenario.

EQ 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 in order 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 interview, examine and treat simulated patients who present with some type of medical problem.

OSPE is used as an objective instrument for assessment of laboratory exercises in preclinical sciences.
It was adapted from the objective structured clinical examination (OSCE). OSPE is implemented in similarly conditions with OSCE.

LPE is included as it has been a traditional assessment format in many school 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'.

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**-
  - o Students must not give or receive assistance of any kind during the exam.
  - o Gaining access to exam questions before the exam.
  - o Using an unauthorized calculator or other mechanical aid that is not permitted.
  - o Looking in the exam book before the signal to begin is given.
  - o Marking or otherwise writing on the exam book or answer sheet before the signal to begin is given.
  - o 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.
  - o Having access to or consulting notes or books during the exam.
  - o Looking at or copying from another student's paper.
  - o Enabling another student to copy from one's paper.
  - o Talking or otherwise communicating with another student during the exam or during the read through period.
  - o Disturbing other students during the exam.
  - o Consulting other persons or resources outside the exam room during the exam.
  - o Copying questions or answers either on paper or with an electronic device to take from the exam room.
  - o Taking an exam book or other exam materials from the exam room.
  - o Taking an exam in place of another student.
  - o Arranging to have another person take an exam for the student.
  - o Disobeying to the conduct of supervisor during the exam.
  - o Disclosing the contents of an exam to any other person.
  - o Failing to remain in the exam room for a given period of time by the supervisors.
  - o 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 loose any academic and non academic 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.

WEEKLY COURSE SCHEDULE and LOCATIONS

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY		FRIDAY
09:00-09:50	MED 104	MED 104 (B 311)	MED 104 (B 311)	MED 104 (B 311)		MED 104 (B 311)
10:00-10:50	MED 104	MED 102** (CSL)	MED 104 (B 311)	MED 104 (B 311)		MED 104 (B 311)
11:00-11:50	MED 104	MED 102 (CSL)	MED 104 (B 311)	MED 104 (B 311)		MED 104 (B 311)
12:00-12:50	MED 104	MED 102 (CSL)	MED 104 (B 311)	MED 104 (B 311)		MED 104 (B 311)
13:00-13:50						
14:00-14:50	TKL201&202 (B 311)	MED 103 (C 937)	MED 104 (B 311)	MED 104 (B 311)	Elective Course (SPRING)	MED 104 (B 311)
15:00-15:50	TKL201&202 (B 311)	MED 103 (C 937)	MED 104 (B 311)	MED 104 (B 311)	Elective Course (SPRING)	MED 104 (B 311)
16:00-16:50	HTR 301 (B311) (FALL)	Humanities HUM 103 (FALL) / HTR 302 (SPRING) (B311)	MED 104 (B 311)	Elective Course (SPRING)		MED 104 (B 311)
17:00-17:50	HTR 301 (B311) (FALL)	HUM 103 (B311) (FALL) / HTR 302 (SPRING) (B311)	MED 104 (B 311)	Elective Course (SPRING)		MED 104 (B 311)

COURSE CODES	COURSES and LOCATIONS
MED 104	Basic Medical Sciences (B 311) or Laboratories*
MED 102	Introduction to Clinical Practice I (CSL)** or (B 311)***
MED 103	Anatomical Drawing (C 937)
TKL 201 & 202	Turkish Language & Literature (B 311)
HTR 301 & 302	Atatürk's Principles & History of Modern Turkey (B 311)
HUM 103	Humanities (İnan Kıraç Conference Hall)
MED 611-621	Elective Courses (see www.med.yeditepe.edu.tr)
PBL	Problem Based Learning (see www.med.yeditepe.edu.tr)
B 311	Ground Floor
C 937	5th Floor

*MED 104 Laboratories will be in skill laboratories of related departments.
** MED 102 Practical Lectures will be in Clinical Skills Laboratory (CSL) (Ground Floor)
***Theoretical lectures will be in B311.

ACADEMIC CALENDAR 2017 - 2018

COMMITTEE I
INTRODUCTION TO BASIC MEDICAL SCIENCES (7 Weeks)

Beginning of Committee	September 11, 2017	Monday
End of Committee	October 27, 2017	Friday
Committee Medical Biology Practical Exam	October 23, 2017	Monday
Committee Medical Anatomy Practical Exam	October 23, 2017	Monday
Committee Medical Histology Practical Exam	October 24, 2017	Tuesday
Committee Theoretical Exam	October 27, 2017	Friday
National Holiday	**October 29, 2017**	**Sunday**

COMMITTEE II
CELL (8 Weeks)

Beginning of Committee	October 30, 2017	Monday
End of Committee	December 22, 2017	Friday
Committee Physiology Practical Exam	December 19, 2017	Tuesday
Committee Medical Biology Practical Exam	December 19, 2017	Tuesday
Committee Anatomy Practical Exam	December 19, 2017	Tuesday
Committee Theoretical Exam	December 22, 2017	Friday
Commemoration of Atatürk	**November 10, 2017**	**Friday**

COMMITTEE III
TISSUE I (6 Weeks)

Beginning of Committee	December 25, 2017	Monday
End of Committee	February 16, 2018	Friday
Committee Anatomy Practical Exam	February 12, 2018	Monday
Committee Physiology Practical Exam	February 13, 2018	Tuesday
Committee Theoretical Exam	February 16, 2018	Friday
New Year	**January 01, 2018**	**Monday**
MIDTERM BREAK	**January 15, 2018**	**January 28, 2018**

COMMITTEE IV
TISSUE II (8 Weeks)

Beginning of Committee	February 19, 2018	Monday
End of Committee	April 13, 2018	Friday
Committee Histology & Embryology Practical Exam	April 09, 2018	Monday
Committee Biostatistics Exam	April 09, 2018	Monday
Committee Medical Biology Practical Exam	April 11,2018	Wednesday
Committee Anatomy Practical Exam	April 11,2018	Wednesday
Committee Theoretical Exam	April 13, 2018	Friday
White Coat Ceremony and Physicians' Day	**March 14, 2018**	**Wednesday**

COMMITTEE V

ENERGY and METABOLISM (6 Weeks)

Beginning of Committee	April 16, 2018	Monday
End of Committee	May 25, 2018	Friday
Committee Biostatistics Exam	May 21, 2018	Monday
Committee Anatomy Practical Exam	May 22, 2018	Tuesday
Committee Histology& Embryology Practical Exam	May 22, 2018	Tuesday
Committee Theoretical Exam	May 25, 2018	Friday

National Holiday	**April 23, 2018**	**Monday**
Labor's Day	**May 1, 2018**	**Tuesday**
National Holiday	**May 19, 2018**	**Saturday**

Basic Medical Sciences I

Make-up Exam	June 12-13, 2018	Tuesday-Wednesday
Final Exam	June 19, 2018	Tuesday
Incomplete Exam	July 19, 2018	Thursday

ICP- I:

Midterm Exam	February 6, 2018	Tuesday
Make-up Exam	May 31, 2018	Thursday
Final Exam	June 04-05, 2018	Monday-Tuesday
Incomplete Exam	July 20, 2018	Friday

ELECTIVE Lectures-Spring 2017-18

Midterm Exam	April 5, 2018	Thursday
Final Exam	May 28, 2018	Monday
Incomplete Exam	June 20, 2018	Wednesday

Turkish Language & Literature	**TKL**	
Fall Final Exam	December 23, 2017	Saturday (10:00-12:00)
Spring Final Exam	May 20, 2018	Sunday (10:00-12:00)

Atatürk's Principles & History of Modern Turkey	**HTR**	
Fall Final Exam	January 02, 2018	Tuesday (10:00-18:00)
Spring Final Exam	May 12, 2018	Saturday (10:00-18:00)

Humanities	**HUM**	
Fall Final Exam	December 23,2017	Saturday (14:00-16:00)

1. Coordination Committee Meeting	October 18, 2017	Wednesday 14:00
2. Coordination Committee Meeting	January 10, 2018	Wednesday 14:00 (with student participation)
3. Coordination Committee Meeting	May 9, 2018	Wednesday 14:00 (with student participation)
4. Coordination Committee Meeting	July 4, 2018	Wednesday 14:00

RECOMMENDED TEXTBOOKS

NO	DEPARTMENT	TEXTBOOK	AUTHOR	PUBLISHER
1	ANATOMY	Gray's Anatomy for Students	R.L. Drake et al	Churchill Livingstone
		Hollinshead's Textbook of Anatomy	Cornelius Rosse & Penelope Gaddum-Rosse	Lippincott Raven
		A Textbook of Neuroanatomy	Maria Patestas & Leslie P. Gartner	Blackwell
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	Biophysics: A Physiological Approach	Patrick F. Dillon	Cambridge University Press
		Physics in Biology and Medicine (4th edition)	Paul Davidovits	Elsevier
		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	MEDICAL BIOLOGY	Molecular Biology of the Cell	Bruce Alberts et al	Garland Science
7	MEDICAL ETHICS	Clinical Bioethics: Theory and Practice in Medical-Ethical Decision Making	James E. Drane	Sheed & Ward
	MEDICAL HISTORY	Blood and Guts: A Short History of Medicine	Roy Porter	W. W. Norton & Company
8	MICROBIOLOGY	Medical Microbiology: with Student Consult	P. R. Murray et al	Saunders
9	ORGANIC CHEMISTRY	Organic Chemistry	John E. McMurry	Cengage Learning
10	PHYSIOLOGY	Guyton Physiology	John E. Hall	Saunders
		Human Physiology	Stuart Fox	Mc-Graw-Hill Science
11	IMMUNOLOGY	Basic Immunology, Functions and Disorders of the Immune System	Abul Abbas Andrew H. Lichtman Shiv Pillai	Elsevier Health Sciences

COMMITTEES

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.

Beside 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 201 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.

COMMITTEE I - INTRODUCTION TO BASIC MEDICAL SCIENCES

DISTRIBUTION of LECTURE HOURS
September 11, 2017 – October 27, 2017
COMMITTEE DURATION: 7 WEEKS

MED 104	**BASIC MEDICAL SCIENCES I**	**THEO.**	**PRAC.**	**TOTAL**
	DISCIPLINE	***93***	***8***	***101***
	ANATOMY	9	2 Gr x 2 H	11
	BIOPHYSICS	16	0	16
	HISTOLOGY & EMBRYOLOGY	6	2 Gr x 2 H	8
	MEDICAL BIOLOGY	37	3 Gr x 4 H	41
	MEDICAL HISTORY & ETHICS	10	0	10
	MICROBIOLOGY	3	0	3
	ORGANIC CHEMISTRY	8	0	8
	PHYSIOLOGY	2	0	2
	SCIENTIFIC PROJECT I	2	0	2

MED 103	**ANATOMICAL DRAWING**	0	14	14
MED 102	**ICP I**	17	0	17
HTR 301-302	**ATATURK'S PRINCIPLES & HISTORY OF MODERN TURKEY**	14	0	14
HUM 101-102	**HUMANITIES**	14	0	14
TKL 201-202	**TURKISH LANGUAGE & LITERATURE**	14	0	14

	TOTAL	**152**	**22**	**174**

Coordination Committee	**Head**	Turgay İSBİR, Prof.
	Secretary	E. Çiğdem ALTUNOK, Assist. Prof.
	Member	Bilge GÜVENÇ TUNA, Assist. Prof.
	Member	Erdem SÖZTUTAR, Assist. Prof.

COMMITTEE I - INTRODUCTION TO BASIC MEDICAL SCIENCES LECTURERS

BASIC MEDICAL SCIENCES I DISCIPLINE	FACULTY
ANATOMY	Erdem SÖZTUTAR, MD, Assist. Prof.
BIOPHYSICS	Bilge GÜVENÇ TUNA, PhD, Assist. Prof.
HISTOLOGY & EMBRYOLOGY	Alev CUMBUL, PhD, Assist. Prof.
	Aylin YABA UÇAR, PhD, Assist. Prof.
MEDICAL BIOLOGY	Turgay İSBİR, PhD, Prof.
	Soner DOĞAN, PhD, Assoc. Prof.
	Deniz KIRAÇ, PhD, Assist. Prof.
MEDICAL HISTORY & ETHICS	Hakan ERTİN, MD Assoc. Prof.
MEDICAL MICROBIOLOGY	Çağatay ACUNER, MD, Assoc. Prof.
ORGANIC CHEMISTRY	Esra ÖNEN BAYRAM, PhD, Assoc. Prof.
PHYSIOLOGY	Burcu GEMİCİ BAŞOL, Assist. Prof. Dr.
SCIENTIFIC PROJECT I	Gülderen YANIKKAYA DEMİREL, MD, Assoc. Prof.

INTRODUCTION TO CLINICAL PRACTICE I (ICP- I)	Güldal İZBIRAK, MD, Assoc. Prof.
	Hülya AKAN, MD, Assoc. Prof.
	Özlem TANRIÖVER, MD, Assoc. Prof.
	Arzu AKALIN, MD, Assist. Prof.
ANATOMICAL DRAWING	Refik AZİZ, PhD, Assist. Prof.
ATATURK'S PRINCIPLES & HISTORY OF MODERN TURKEY	Davut EKŞİ, PhD, Instructor
HUMANITIES	
TURKISH LANGUAGE & LITERATURE	Bedri SELİMHOCAOĞLU, Instructor

COMMITTEE I – INTRODUCTION TO BASIC MEDICAL SCIENCES

AIM and LEARNING OBJECTIVES

AIM

1. ***to convey*** basic term and concepts on medical history, anatomy, physiology, embryology, histology, medical biology, biophysics, organic chemistry and microbiology***.***
2. ***to convey*** basic knowledge on viability.
3. ***to convey*** knowledge on cellular structure and functions**.**

LEARNING OBJECTIVES

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

1.0. define fundamental concepts of anatomy
  1.1. define anatomy, its historical development and basic anatomical terms.
  1.2. explain basic concepts related to regional and systemic anatomy, and osteology.
2.0. define anatomical properties and clinical implications for bones of the upper and lower limbs.
3.0. explain basic terms and concepts related to basic physics, basic biophysics, international units, biomechanics, bio-optics, bioelectronics.
4.0. explain mechanic, electrical and optical processes that are characteristics of living organisms
5.0. classify microscope types and list using area
6.0. explain methods used in histology and their usage purposes.
7.0. explain human genome project and the importance of the results.
8.0. explain the structure and function of eukaryotic subcellular organelles.
9.0. identify the molecules involved in the communication between the cells.
10.0. explain the mechanism of signal transduction,
11.0. describe the programmed cell death.
12.0. define the concepts of medicine,disease and health in the evolutionary perspective.
13.0. explain disease and health theories in prehistoric era
14.0. explain history of discovery for important microorganisms causing infections in humans
15.0. define structure of atom and chemical bonds.
16.0. for organic compounds
16.1. define functional groups
16.2. classify possible reactions
17.0. define homeostasis

COMMITTEE I - INTRODUCTION TO BASIC MEDICAL SCIENCES
COMMITTEE ASSESSMENT MATRIX

LEARNING OBJECTIVES	LECTURER / INSTRUCTOR	DISTRUBITION of MCQs			
		CE	FE	ICE	TOTAL
1.0, 2.0	Dr. E. Söztutar	10	4	4	18
3.0, 4.0	Dr. B. Güvenç Tuna	17	7	7	31
5.0 - 6.0	Dr. A. Cumbul Dr. A. Yaba Uçar	7	3	3	13
7.0 – 11.0	Dr. T. İsbir Dr. S. Doğan	41	17	17	75
12.0, 13.0	Dr. H. Ertin	11	5	5	21
14.0	Dr. Ç. Acuner	3	1	1	5
15.0,16.1,16.2	Dr. E. Önen Bayram	9	4	4	17
17.0	Dr. B. Gemici Başol	2	1	1	4
	TOTAL	**100**	**42/200#**	**42/200#**	**184**

LEARNING OBJECTIVES	DISCIPLINE	DISTRUBITION of LAB POINTS
		LPE
1,0, 2.0	ANATOMY	25
5.0 – 6.0	HISTOLOGY & EMBRYOLOGY	25
7.0 – 11.0	MEDICAL BIOLOGY	50
	TOTAL	**100**

Total number of MCQs are 90 (each question has equal value)
Total value of LPE is equal to 100 points
CS = 90% CE (MCQ) + 10% (LPE)

#In FE and ICE, **42** out of 200 MCQs will be from this Committee (Each question has equal value.)

Abbreviations:
MCQ: Multiple Choice Question
LPE: Practical Lecture Evaluation
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam

COMMITTEE I - INTRODUCTION TO BASIC MEDICAL SCIENCES

I. WEEK / 11 Sep – 15 Sep 2017

	Monday 11-Sep-2017	Tuesday 12-Sep-2017	Wednesday 13-Sep-2017	Thursday 14-Sep-2017	Friday 15-Sep-2017
09.00- 09.50	**Independent Learning**	**Independent Learning**	**Lecture** Introduction to Histology; Basic Terminology *Alev Cumbul*	**Independent Learning**	**Lecture** Origin of Life *Turgay İsbir*
10.00- 10.50	**Introductory Session** Introduction to Faculty *Dean*	**Lecture / ICP I** Introduction to the First Aid Programmes *Güldal İzbırak*	**Lecture** History and Scope of Microbiology *Çağatay Acuner*	**Lecture / Scientific Project I** How to Read an Article *Gülderen Yanıkkaya Demirel*	**Lecture** Origin of Life *Turgay İsbir*
11.00- 11.50	**Introductory Session** Introduction to Committee I *Phase I Coordinator*	**Lecture / ICP I** Basic Human Body *Arzu Akalın*	**Lecture** History and Scope of Microbiology *Çağatay Acuner*	**Lecture / Scientific Project I** How to Read an Article *Gülderen Yanıkkaya Demirel*	**Lecture** Acids & Bases *Esra Önen Bayram*
12.00- 12.50	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lecture** Acids & Bases *Esra Önen Bayram*
13.00- 13.50	**Independent Learning**	**Lecture / ICP I** Scene Assessment *Arzu Akalın*	**Lecture** Introduction to Medical Biology *Turgay İsbir*	**Lecture** Microscopy (Brightfield, Fluorescent, Confocal) *Aylin Yaba Uçar*	**Lunch Break**
14.00- 14.50	**Common Compulsory Course** Turkish Language & Literature *Bedri Selimhocaoğlu*	**Common Compulsory Course** Anatomical Drawing *Refik Aziz*	**Lecture** Introduction to Biophysics; Medicine, Science or Art *Bilge Güvenç Tuna*	**Lecture** Electronmicroscopy *Aylin Yaba Uçar*	**Lecture** Cellular Organization of Life *Turgay İsbir*
15.00- 15.50			**Lecture** Physical Measurements and Units, Unit Standards *Bilge Güvenç Tuna*	**Lecture** Statics (Mass and Weight), Gravitation Law *Bilge Güvenç Tuna*	**Lecture** Cellular Organization of Life *Turgay İsbir*
16.00- 16.50	**Common Compulsory Course** Ataturk's Principles & History of Modern Turkey *Davut Ekşi*	**Common Compulsory Course** Humanities *Instructor*	**Lecture / ICP I** Legal Aspect of First Aid *Medical History and Ethics*	**Lecture** Cell Membrane *Soner Doğan*	**Independent Learning**
17.00-17.50			**Lecture / ICP I** Legal Aspect of First Aid *Medical History and Ethics*	**Independent Learning**	

COMMITTEE I - INTRODUCTION TO BASIC MEDICAL SCIENCES

II. WEEK / 18 Sep – 22 Sep 2017

<table>
<tr><th></th><th colspan="2">Monday
18-Sep-2017</th><th>Tuesday
19-Sep-2017</th><th>Wednesday
20-Sep-2017</th><th>Thursday
21-Sep-2017</th><th>Friday
22-Sep-2017</th></tr>
<tr><td>09.00- 09.50</td><td colspan="2">Laboratory / Histology
Microscopy
Alev Cumbul & Aylin Yaba Uçar</td><td>Lecture
Approaches to Medicine/ Medicine in Prehistoric Times
Medical History and Ethics</td><td>Lecture
Cellular Organization of Life
Turgay İsbir</td><td>Independent Learning</td><td rowspan="2">Independent Learning</td></tr>
<tr><td>10.00- 10.50</td><td>Group A</td><td>Group B Independent Learning</td><td>Lecture
Medicine in Early Civilisations (Mesopotamia, Egypt)
Medical History and Ethics</td><td>Lecture
Cellular Organization of Life
Turgay İsbir</td><td>Lecture
Nature of Light, Electromagnetic Spectrum
Bilge Güvenç Tuna</td></tr>
<tr><td>11.00- 11.50</td><td rowspan="2">Group A Independent Learning</td><td rowspan="2">Group B</td><td>Lecture / ICP I
Basic Life Support and Heimlich Maneuver
Güldal İzbırak</td><td>Lecture
Newton’s Laws of Motion
Bilge Güvenç Tuna</td><td>Lecture
Reflection and Refraction of Light
Bilge Güvenç Tuna</td><td>Lecture
Introduction to Anatomy
Erdem Söztutar</td></tr>
<tr><td>12.00- 12.50</td><td>Lecture / ICP I
Basic Life Support and Heimlich Maneuver
Güldal İzbırak</td><td>Lecture
Center of Mass, Moment
Bilge Güvenç Tuna</td><td>Lecture
History and Scope of Microbiology
Çağatay Acuner</td><td>Lecture
Terminology in Anatomy
Erdem Söztutar</td></tr>
<tr><td>13.00- 13.50</td><td colspan="2">Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td></tr>
<tr><td>14.00- 14.50</td><td colspan="2" rowspan="2">Common Compulsory Course
Turkish Language & Literature
Bedri Selimhocaoğlu</td><td rowspan="2">Common Compulsory Course
Anatomical Drawing
Refik Aziz</td><td rowspan="3">Independent Learning</td><td>Lecture
Methods of Histology; Tissue Processing
Alev Cumbul</td><td>Lecture
Lenses; Lens-maker Equation Bilge Güvenç Tuna</td></tr>
<tr><td>15.00- 15.50</td><td>Lecture
Methods of Histology; Immunohistochemistry
Alev Cumbul</td><td>Lecture
Bio-optics: Vision and Eye, Refraction errors
Bilge Güvenç Tuna</td></tr>
<tr><td>16.00- 16.50</td><td colspan="2" rowspan="2">Lecture
Common Compulsory Course
Ataturk's Principles & History Of Modern Turkey
Davut Ekşi</td><td rowspan="2">Common Compulsory Course
Humanities Conferences
Instructor</td><td rowspan="2">Independent Learning</td><td rowspan="2">Independent Learning</td></tr>
<tr><td>17.00- 17.50</td><td></td></tr>
</table>

COMMITTEE I - INTRODUCTION TO BASIC MEDICAL SCIENCES

III. WEEK / 25 – 29 Sept 2017

	Monday 25-Sep-2017	Tuesday 26-Sep-2017	Wednesday 27-Sep-2017	Thursday 28-Sep-2017	Friday 29-Sep-2017
09.00- 09.50	**Independent Learning**	**Lecture** Greek Medicine: From Mythology to Natural Philosophy *Medical History and Ethics*	**Independent Learning**	**Lecture** Cell Adhesion *Turgay İsbir*	**Lecture** Galen *Medical History and Ethics*
10.00- 10.50		**Lecture** Hippocrates to Celsus *Medical History and Ethics*	**Lecture** Other Histologic Methods *Alev Cumbul*	**Lecture** Cell Adhesion *Turgay İsbir*	**Lecture** Indian and Chinese Medicine *Medical History and Ethics*
11.00- 11.50		**Lecture / ICP I** Shock and Bleeding Control *Hülya Akan*	**Lecture** Cellular Organization of Life *Turgay İsbir*	**Lecture** Cell Signalling Events *Turgay İsbir*	**Lecture** Optical Properties of Microscopes *Bilge Güvenç Tuna*
12.00- 12.50		**Lecture / ICP I** Burns, Freezing, Frostbite *Hülya Akan*	**Lecture** Cytoskeleton *Turgay İsbir*	**Lecture** Optical Aberrations *Bilge Güvenç Tuna*	**Lecture** Optical Properties of Microscopes *Bilge Güvenç Tuna*
13.00- 13.50	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**
14.00- 14.50	**Common Compulsory Course** Turkish Language & Literature *Bedri Selimhocaoğlu*	**Common Compulsory Course** Anatomical Drawing *Refik Aziz*	**Lecture** Cytoskeleton *Turgay İsbir*	**Lecture** Cell Signalling Events *Turgay İsbir*	**Lecture** Cell Signalling Events *Turgay İsbir*
15.00- 15.50			**Lecture** Cytoskeleton *Turgay İsbir*	**Lecture** Cell Signalling Events *Turgay İsbir*	**Laboratory / Med. Biology** Introduction to Medical Biology *Turgay İsbir* *Soner Doğan & Deniz Kıraç*
16.00- 16.50	**Common Compulsory Course** Ataturk's Principles & History Of Modern Turkey *Davut Ekşi*	**Common Compulsory Course** Humanities *Instructor*	**Lecture** Cytoskeleton *Turgay İsbir*	**Lecture** Cellular Organization of Life Biological Energy Systems Enzymes and Kinetics *Soner Doğan*	**Group A** | **Group B** | **Group C**
17.00-17.50			**Lecture** Cell Adhesion *Turgay İsbir*	**Independent Learning**	**Independent Learning**

COMMITTEE I - INTRODUCTION TO BASIC MEDICAL SCIENCES

IV. WEEK / 02 – 06 Oct 2017

	Monday 02-Oct-2017	Tuesday 03-Oct-2017	Wednesday 04-Oct-2017	Thursday 05-Oct-2017	Friday 06-Oct-2017
09.00- 09.50	**Independent Learning**	**Lecture / ICP I** Foreign Objects *Hülya Akan*	**Lecture** Cell Signalling Events *Turgay İsbir*	**Independent Learning**	**Lecture** Programmed Cell Death *Turgay İsbir*
10.00- 10.50		**Lecture / ICP I** Fractures and Dislocation *Hülya Akan*	**Lecture** Cell Signalling Events *Turgay İsbir*		**Lecture** Programmed Cell Death *Turgay İsbir*
11.00- 11.50		**Lecture** Alkanes & Cycloalkanes *Esra Önen Bayram*	**Lecture** Intercellular Cell Signalling *Turgay İsbir*	**Lecture** Intercellular Cell Signalling *Turgay İsbir*	**Lecture** Bones of the Upper Limb *Erdem Söztutar*
12.00- 12.50		**Lecture** Alkanes & Cycloalkanes *Esra Önen Bayram*	**Independent Learning**	**Lecture** Intercellular Cell Signalling *Turgay İsbir*	**Lecture** Bones of the Upper Limb *Erdem Söztutar*
13.00- 13.50	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**
14.00- 14.50	**Common Compulsory Course** Turkish Language & Literature *Bedri Selimhocaoğlu*	**Common Compulsory Course** Anatomical Drawing *Refik Aziz*	**Lecture** Introduction to Osteology *Erdem Söztutar*	**Lecture** Programmed Cell Death *Turgay İsbir*	**Laboratory / Med. Biology** The Preparation of Aqueous Solutions *Turgay İsbir* *Soner Doğan & Deniz Kıraç*
15.00- 15.50			**Lecture** Bones of the Soulder *Erdem Söztutar*	**Lecture** Programmed Cell Death *Turgay İsbir*	**Group A Independent Learning** / **Group B** / **Group C Independent Learning**
16.00- 16.50	**Common Compulsory Course** Ataturk's Principles & History of Modern Turkey *Davut Ekşi*	**Common Compulsory Course** Humanities *Instructor*	**Lecture / ICP I** Injuries *Arzu Akalın*	**Laboratory / Med. Biology** The Preparation of Aqueous Solutions *Turgay İsbir* *Soner Doğan & Deniz Kıraç*	**Laboratory / Med. Biology** The Preparation of Aqueous Solutions *Turgay İsbir* *Soner Doğan & Deniz Kıraç*
17.00-17.50			**Independent Learning**	**Group A** / **Group B Independent Learning** / **Group C Independent Learning**	**Group A Independent Learning** / **Group B Independent Learning** / **Group C**

COMMITTEE I - INTRODUCTION TO BASIC MEDICAL SCIENCES
V. WEEK / 09 – 13 Oct 2017

<table>
<tr><th></th><th>Monday
09-Oct-2017</th><th>Tuesday
10-Oct-2017</th><th>Wednesday
11-Oct-2017</th><th>Thursday
12-Oct-2017</th><th>Friday
13-Oct-2017</th></tr>
<tr><td>09.00- 09.50</td><td colspan="2" rowspan="2">Independent Learning</td><td>Lecture
Late Antiquity: Byzantine, Arab
Medical History and Ethics</td><td>Lecture
Electric Charges, Electric Field
Bilge Güvenç Tuna</td><td>Lecture
The Time of Ibn Sina
Medical History and Ethics</td><td>Lecture
Cell Cycle and Mitosis-Meiosis (Introduction to Cellular Homoestosis)
Turgay İsbir</td></tr>
<tr><td>10.00- 10.50</td><td>Lecture
Medicine in Abbasid Baghdad
Medical History and Ethics</td><td>Lecture
Membrane Impedance, Bioelectrical Activity
Bilge Güvenç Tuna</td><td>Lecture
Seljuk and Ottoman Medicine
Medical History and Ethics</td><td>Lecture
Cell Cycle and Mitosis-Meiosis (Introduction to Cellular Homoestosis)
Turgay İsbir</td></tr>
<tr><td>11.00- 11.50</td><td colspan="2">Laboratory / Anatomy
Bones of The Shoulder and Upper Limb
Erdem Söztutar</td><td rowspan="2">Lecture / ICP I
The Unconscious Causalty
Güldal İzbırak</td><td rowspan="2">Lecture
Alkenes
Esra Önen Bayram</td><td rowspan="2">Lecture
Electric Current Effects on Human Tissue
Bilge Güvenç Tuna</td><td rowspan="2">Lecture
Introduction to Physiology and Homeostasis
Burcu Gemici Başol</td></tr>
<tr><td>Group A</td><td>Group B Independent Learning</td></tr>
<tr><td>12.00- 12.50</td><td>Group A Independent Learning</td><td>Group B</td><td>Lecture / ICP I
Poisoning
Arzu Akalın</td><td>Lecture
Alkenes
Esra Önen Bayram</td><td>Lecture
Electrical Security Systems
Bilge Güvenç Tuna</td><td>Lecture
Introduction to Physiology and Homeostasis
Burcu Gemici Başol</td></tr>
<tr><td>13.00- 13.50</td><td colspan="2">Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td></tr>
<tr><td>14.00- 14.50</td><td colspan="2" rowspan="2">Common Compulsory Course
Turkish Language & Literature
Bedri Selimhocaoğlu</td><td rowspan="2">Common Compulsory Course
Anatomical Drawing
Refik Aziz</td><td>Lecture
Cellular Organization of Life Enzymes and Kinetics
Soner Doğan</td><td>Lecture
Bones of the Pelvis
Erdem Söztutar</td><td>Lecture
Cell Membrane
Soner Doğan</td></tr>
<tr><td>15.00- 15.50</td><td rowspan="3">Independent Learning</td><td>Lecture
Bones of the Pelvis& Lower Limb
Erdem Söztutar</td><td>Lecture
Cell Membrane
Soner Doğan</td></tr>
<tr><td>16.00- 16.50</td><td colspan="2" rowspan="2">Common Compulsory Course
Ataturk's Principles & History of Modern Turkey
Davut Ekşi</td><td rowspan="2">Common Compulsory Course
Humanities
Instructor</td><td>Lecture
Bones of the Pelvis & Lower Limb
Erdem Söztutar</td><td rowspan="2">Independent Learning</td></tr>
<tr><td>17.00-17.50</td><td></td></tr>
</table>

COMMITTEE I - INTRODUCTION TO BASIC MEDICAL SCIENCES

VI. WEEK / 16 – 20 Oct 2017

<table>
<tr><th></th><th>Monday
16-Oct-2017</th><th>Tuesday
17-Oct-2017</th><th>Wednesday
18-Oct-2017</th><th>Thursday
19-Oct-2017</th><th>Friday
20-Oct-2017</th></tr>
<tr><td>09.00- 09.50</td><td colspan="2" rowspan="2">Laboratory / Histology
Alev Cumbul & Aylin Yaba Uçar
Review Session
Group A and B</td><td>Independent Learning</td><td rowspan="8">Independent Learning</td><td rowspan="8">PROBLEM BASED LEARNING ORIENTATION DAY</td></tr>
<tr><td>10.00- 10.50</td><td>Lecture / ICP I
Insect Bite
Özlem Tanrıöver</td><td>Lecture
Cellular Homoestosis and Cell Growth
Turgay İsbir</td></tr>
<tr><td>11.00- 11.50</td><td colspan="2">Laboratory / Anatomy
Bones of the Pelvis & Lower Limb
Erdem Söztutar</td><td rowspan="2">Lecture / ICP I
Patient-Causalty Transportation Techniques
Özlem Tanrıöver</td><td rowspan="2">Lecture
Cellular Homoestosis and Cell Growth
Turgay İsbir</td></tr>
<tr><td></td><td>Group A Independent Learning</td><td>Group B</td></tr>
<tr><td>12.00- 12.50</td><td>Group A</td><td>Group B Independent Learning</td><td>Lecture / ICP I
Drowning
Güldal İzbırak</td><td>Independent Learning</td></tr>
<tr><td>13.00- 13.50</td><td colspan="2">Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td></tr>
<tr><td>14.00- 14.50</td><td colspan="2" rowspan="2">Common Compulsory Course
Turkish Language & Literature
Bedri Selimhocaoğlu</td><td rowspan="2">Common Compulsory Course
Anatomical Drawing
Refik Aziz</td><td>Lecture
Benzene & Aromaticity
Esra Önen Bayram</td></tr>
<tr><td>15.00- 15.50</td><td>Lecture
Benzene & Aromaticity
Esra Önen Bayram</td></tr>
<tr><td>16.00- 16.50</td><td colspan="2" rowspan="2">Common Compulsory Course
Ataturk's Principles & History of Modern Turkey
Davut Ekşi</td><td rowspan="2">Common Compulsory Course
Humanities
Instructor</td><td rowspan="2">Independent Learning</td></tr>
<tr><td>17.00-17.50</td></tr>
</table>

COMMITTEE I - INTRODUCTION TO BASIC MEDICAL SCIENCES
VII. WEEK / 23 - 27 October 2017

	Monday 23-Oct-2017	Tuesday 24-Oct-2017	Wednesday 25-Oct-2017	Thursday 26-Oct-2017	Friday 27-Oct-2017
09.00- 09.50	**Assessment Session** **Medical Biology** (Practical Exam)	**Assessment Session** **Histology** (Practical Exam)	**Independent Learning**	**Independent Learning**	**Independent Learning**
10.00- 10.50					**Assessment Session** **Committee I** (MCQ)
11.00- 11.50	**Assessment Session** **Anatomy** **(Practical Exam)**	**Independent Learning**			
12.00- 12.50					
13.00- 13.50	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**
14.00- 14.50	**Common Compulsory Course** Turkish Language & Literature *Bedri Selimhocaoğlu*	**Common Compulsory Course** Anatomical Drawing *Refik Aziz*	**Independent Learning**	**Independent Learning**	**Program Evaluation Session** Review of the Exam Questions, Evaluation of the Committee I Program *Head of Committee*
15.00- 15.50					
16.00- 16.50	**Common Compulsory Course** Ataturk's Principles & History Of Modern Turkey *Davut Ekşi*	**Common Compulsory Course** Humanities *Instructor*			**Independent Learning**
17.00-17.50					

COMMITTEE II - CELL

DISTRIBUTION of LECTURE HOURS

October 30, 2017 - December 22, 2017

COMMITTEE DURATION: 8 WEEKS

MED 104	BASIC MEDICAL SCIENCES I	THEO.	PRAC.	PBL	TOTAL
	DISCIPLINE	***99***	***13***	***7***	***119***
	ANATOMY	8	2Grx3H		11
	BIOPHYSICS	14	0		14
	HISTOLOGY and EMBRYOLOGY	14	0		14
	MEDICAL BIOLOGY	33	3Grx8H		35
	MEDICAL HISTORY & ETHICS	6	0		6
	MEDICAL MICROBIOLOGY	8	0		8
	ORGANIC CHEMISTRY	10	0		10
	PHYSIOLOGY	6	3Grx2H		8
MED 103	**ANATOMICAL DRAWING**	0	14		14
MED 102	**ICP-I**	0	4Grx6H		6
HTR 301-302	**ATATURK'S PRINCIPLES & HISTORY OF MODERN TURKEY**	14	0		14
HUM 101-102	**HUMANITIES**	14	0		14
TKL 201-202	**TURKISH LANGUAGE & LITERATURE**	14	0		14
	TOTAL	**141**	**33**	**7**	**181**

Coordination Committee	Head	Deniz KIRAC, Assist. Prof.
	Secretary	Soner DOĞAN, Assoc. Prof
	Member	Bilge GÜVENÇ TUNA, Assist. Prof.
	Member	Alev CUMBUL, Assist. Prof.

COMMITTEE II – CELL

LECTURERS

BASIC MEDICAL SCIENCES I DISCIPLINE	FACULTY
ANATOMY	Erdem SÖZTUTAR, MD, Assist. Prof.
BIOPHYSICS	Bilge GÜVENÇ TUNA, PhD, Assist. Prof.
HISTOLOGY & EMBRYOLOGY	Alev CUMBUL, PhD, Assist. Prof.
	Aylin YABA UCAR, PhD, Assist. Prof.
MEDICAL BIOLOGY	Turgay İSBİR, PhD, Prof.
	Soner DOĞAN, PhD, Assoc. Prof.
	Deniz KIRAÇ, PhD, Assist. Prof.
MEDICAL HISTORY & ETHICS	Hakan ERTİN, MD, Assoc. Prof.
MEDICAL MICROBIOLOGY	Çağatay ACUNER, MD, Assoc. Prof. Barış Ata BORSA, MD, Assist. Prof.
ORGANIC CHEMISTRY	Esra ÖNEN BAYRAM, Assoc. Prof. Dr.
PHYSIOLOGY	Burcu GEMİCİ BAŞOL, PhD, Assist. Prof.
SCIENTIFIC PROJECT I	Gülderen YANIKKAYA DEMİREL, MD, PhD, Assoc. Prof.

INTRODUCTION TO CLINICAL PRACTICE I (ICP-I)	Güldal İZBIRAK, MD, Assoc. Prof.
	Özlem TANRIÖVER, MD, Assoc. Prof.
	Arzu AKALIN, MD, Assist. Prof.
	Serdar Özdemir, MD, PhD, Assist. Prof.
ANATOMICAL DRAWING	Refik AZİZ, PhD, Assist. Prof.
ATATURK'S PRINCIPLES & HISTORY OF MODERN TURKEY	Davut EKŞİ, Instructor
HUMANITIES	
TURKISH LANGUAGE & LITERATURE	Bedri SELİMHOCAOĞLU, Instructor

COMMITTEE II – CELL

AIM and LEARNING OBJECTIVES

AIM

1.0 ***to convey*** basic term and concepts on medical history, anatomy, physiology, embryology, histology, medical biology, biophysics, organic chemistry and microbiology***.***
2.0 ***to convey*** knowledge on cellular structure and functions**.**
3.0 ***to convey*** knowledge on process from zygote to formation of organs*.*
4.0 ***to convey*** knowledge on system-specific (bones, skull, vertebra, and thorax) anatomy and its clinical applications.

LEARNING OBJECTIVES

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

1.0. define anatomical terms of basic bone structures.
1.1 *explain basic concepts related to regional and* systemic *anatomy, and osteology.*
2.0. define anatomical properties and clinical implications for bones of the pelvis, thorax and vertebral column, ribs and strernum, neurocranium, viscocranium.
3.0. explain basic terms and concepts about radiation biophysics, radiation safety and use of lasers.
4.0. list effects of radiation to the organism, its evaluation methods on the cellular basis and protection approaches.
5.0. explain histological characteristics of cell membrane and functions
6.0. summarize the structure of cytoplasmic organelles and relate it to their functions
7.0. list the cytoskeleton element and describe probable functions
8.0. explain histological characteristics of cell nucleus.
9.0. list the difference between mitosis and meiosis.
10.0. list the difference between male and female gametogenesis.
11.0. list developmental events respectively from zygote to gastrulation.
12.0. define basic ions that are diffused in intracellular and extracellular fluids and their concentrated regions.
13.0. explain transfer mechanisms of cellular membrane and the connection of these mechanisms with material and energy requirements.
14.0. explain the roles of DNA and RNA in the maintenance of living organism.
15.0. list the protein synthesis steps and define the mechanisms of regulation of gene expression.
16.0. define types of mutations and emphasize the importance of gene polymorphisms in human health and variability.
17.0. define plasmids and their use in molecular biology,
18.0. explain the identification methods of chromosomes and their use in medical clinics.
19.0. define the correlation of medicine, art and philosophy from prehistoric ages to date.
20.0. for microorganisms;
20.1. classify
20.2. list general characteristics.
21.0. define structure of organic compounds and their chemical reactions
22.0. define structures and reactions of macromolecules such as amino acid, protein, lipid and carbohydrate.
23.0. explain case scenario related basic medical science topics in a clinical context.

COMMITTEE II – CELL

COMMITTEE ASSESSMENT MATRIX

LEARNING OBJECTIVES	LECTURER / INSTRUCTOR	DISTRUBITION of MCQs			
		CE	FE	ICE	TOTAL
1.0, 2.0	Dr. E. Söztutar	8	4	4	16
3.0, 4.0	Dr. B. G. Tuna	14	6	6	26
5.0 – 11.0	Dr. A. Cumbul Dr. A. Yaba Uçar	14	6	6	26
14.0 -18.0	Dr. T. Isbir Dr. D. Kıraç	33	14	14	61
19.0	Dr. H. Ertin	6	3	3	12
20.1, 20.2	Dr. Ç. Acuner	8	4	4	16
21.0, 22.0	Dr. E. Önen Bayram	10	5	5	20
12.0-13.0	Dr. B. Gemici Başol	6	3	3	12
23.0	PBL Scenario	1	0	0	1
	TOTAL	**100**	**45/200#**	**45/200#**	**189**

LEARNING OBJECTIVES	DISCIPLINE	DISTRUBITION of LAB POINTS
		LPE
1.0, 2.0	ANATOMY	30
11.0 – 15.0	MEDICAL BIOLOGY	50
9.0, 10.0	PHYSIOLOGY	20
	TOTAL	**100**

Total number of MCQs are 90 (each question has equal value)
Total value of LPE is equal to 100 points
CS = 95% of [90% CE (MCQ) + 10% (LPE)] + 5% of PBL-P

#In FE and ICE **45** out of 200 MCQs will be from this Committee (Each question has equal value).

Abbreviations:
MCQ: Multiple Choice Question
LPE: Practical Lecture Evaluation
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam
PBL-P: Evaluation of PBL Student's Performance

COMMITTEE II – CELL

I. WEEK / 30 October – 03 November 2017

	Monday 30-Oct-2017	Tuesday 31-Oct-2017	Wednesday 01-Nov-2017	Thursday 02-Nov-2017	Friday 03-Nov-2017
09.00- 09.50	**PBL Session**	**Introductory Session** Introduction to Committee II *Secretary of Committee II*	**Lecture** Cell; General Specification *Alev Cumbul*	**Independent Learning**	**PBL Session**
10.00- 10.50		**Clinical Skills Learning** **ICP I** Basic Life Support and Heimlich Maneuver *Güldal İzbırak & Arzu Akalın& Serdar Özdemir*	**Lecture** Cell Membrane Structure & Function *Alev Cumbul*	**Lecture** Cell Organalles *Aylin Yaba Uçar*	
11.00- 11.50		**Group A** / **Group B Scientific Project Small Group Studies** / **Group C and D Independent Learning**	**Lecture** Radiation Biophysics: Nucleus and Radioactivity *Bilge Güvenç Tuna*	**Lecture** Interaction of Radiation with Matter *Bilge Güvenç Tuna*	
12.00- 12.50	**Independent Learning**		**Independent Learning**	**Lecture** Interaction of X or Gamma Rays with Matter *Bilge Güvenç Tuna*	**Lunch Break**
13.00- 13.50	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lecture** Photoelectric Action, Compton Action *Bilge Güvenç Tuna*
14.00- 14.50	**Common Compulsory Course** Turkish Language & Literature *Bedri Selimhocaoğlu*	**Common Compulsory Course** Anatomical Drawing *Refik Aziz*	**Lecture** Cell Cycle and Mitosis-Meiosis *Deniz Kıraç*	**Lecture** Alcohols and Ethers *Esra Önen Bayram*	**Laboratory / Med. Biology** Mitosis and Meiosis *Turgay İsbir* *Soner Doğan & Deniz Kıraç*
15.00- 15.50			**Lecture** Cell Cycle and Mitosis-Meiosis *Deniz Kıraç*	**Lecture** Alcohols and Ethers *Esra Önen Bayram*	**Group A** / **Group B Independent Learning** / **Group C Independent Learning**
16.00- 16.50	**Common Compulsory Course** Ataturk's Principles & History of Modern Turkey *Davut Ekşi*	**Common Compulsory Course** Humanities *Instructor*	**Lecture** Nuclear stability *Bilge Güvenç Tuna*	**Independent Learning**	**Laboratory / Med. Biology** Mitosis and Meiosis *Turgay İsbir* *Soner Doğan & Deniz Kıraç*
17.00-17.50			**Independent Learning**		**Group A Independent Learning** / **Group B Independent Learning** / **Group C**

COMMITTEE II – CELL

II. WEEK / 06 – 10 Nov 2017

<table>
<tr><th></th><th>Monday
06-Nov-2017</th><th>Tuesday
07-Nov-2017</th><th>Wednesday
08-Nov-2017</th><th>Thursday
09-Nov-2017</th><th>Friday
10-Nov-2017</th></tr>
<tr><td>09.00- 09.50</td><td rowspan="4">Independent Learning</td><td colspan="3">Independent Learning</td><td rowspan="2">PBL Session</td><td>Lecture
Deoxyribonucleic Acid and Ribonucleic Acid (Central Dogma)
Turgay İsbir</td><td rowspan="3">Commemoration of Atatürk</td></tr>
<tr><td>10.00- 10.50</td><td colspan="3">Clinical Skills Learning
ICP I
Basic Life Support and Heimlich Maneuver
Güldal İzbırak & Arzu Akalın&
Serdar Özdemir</td><td>Lecture
Protein Synthesis and Turnover
Turgay İsbir</td></tr>
<tr><td>11.00- 11.50</td><td>Group A Scientific Project Small Group Studies</td><td>Group B</td><td>Group C and D Independent Learning</td><td>Independent Learning</td><td>Lecture
Distribution of Substances in Body Fluids
Burcu Gemici Başol</td></tr>
<tr><td>12.00- 12.50</td><td colspan="3">Lunch Break</td><td>Lecture
Cell Membrane
Burcu Gemici Başol</td><td>Lunch Break</td></tr>
<tr><td>13.00- 13.50</td><td>Lunch Break</td><td colspan="3">Lunch Break</td><td>Lecture
Deoxyribonucleic Acid and Ribonucleic Acid
Turgay İsbir</td><td>Lunch Break</td><td>Lecture
Regulation of Gene Expression Turgay İsbir</td></tr>
<tr><td>14.00- 14.50</td><td rowspan="2">Common Compulsory Course
Turkish Language & Literature
Bedri Selimhocaoğlu</td><td colspan="3" rowspan="2">Common Compulsory Course
Anatomical Drawing
Refik Aziz</td><td>Lecture
Deoxyribonucleic Acid and Ribonucleic Acid
Turgay İsbir</td><td>Lecture
The Great Epidemics
Medical History and Ethics</td><td>Lecture
Regulation of Gene Expression Turgay İsbir</td></tr>
<tr><td>15.00- 15.50</td><td>Lecture
DNA and RNA (Central Dogma)
Turgay İsbir</td><td>Lecture
Renaissance Medicine
Medical History and Ethics</td><td>Laboratory / Med. Biology
Mitosis and Meiosis
Turgay İsbir
Soner Doğan & Deniz Kıraç</td></tr>
<tr><td>16.00- 16.50</td><td rowspan="2">Common Compulsory Course
Ataturk's Principles & History of Modern Turkey
Davut Ekşi</td><td colspan="3" rowspan="2">Common Compulsory Course
Humanities
Instructor</td><td>Lecture
General Structures of Bacteria Çağatay Acuner</td><td>Lecture
Protein Synthesis and Turnover
Turgay İsbir</td><td>Group A Independent Learning</td><td>Group B</td><td>Group C Independent Learning</td></tr>
<tr><td>17.00-17.50</td><td>Lecture
General Structures of Bacteria
Çağatay Acuner</td><td>Lecture
Biosynthesis of Nucleotides
Turgay İsbir</td><td colspan="3">Independent Learning</td></tr>
</table>

COMMITTEE II – CELL

III. WEEK / 13 – 17 Nov 2017

<table>
<tr><th></th><th>Monday
13-Nov-2017</th><th>Tuesday
14-Nov-2017</th><th>Wednesday
15-Nov-2017</th><th>Thursday
16-Nov-2017</th><th>Friday
17-Nov-2017</th></tr>
<tr><td>09.00- 09.50</td><td rowspan="4">Independent Learning</td><td colspan="3">Independent Learning</td><td>Lecture
Protein Synthesis and Turnover
Turgay İsbir</td><td rowspan="2">Independent Learning</td><td>Lecture
Carbonyl Compounds
Esra Önen Bayram</td></tr>
<tr><td>10.00- 10.50</td><td colspan="3">Clinical Skills Learning
ICP I
Basic Life Support and Heimlich Maneuver
Güldal İzbırak & Arzu Akalın & Serdar Özdemir</td><td>Lecture
Genomics, Proteomics and Metabolomics
Turgay İsbir</td><td>Lecture
Carbonyl Compounds
Esra Önen Bayram</td></tr>
<tr><td>11.00- 11.50</td><td>Group A and B Independent Learning</td><td>Group C</td><td>Group D Scientific Project Small Group Studiess</td><td>Lecture
Tools in Medical Biology
Deniz Kıraç</td><td>Lecture
Vertebral column, ribs and sternum
Erdem Söztutar</td><td>Lecture
Chromosome Structure and Function, Plasmids, Transposable Genetic Elements
Turgay İsbir</td></tr>
<tr><td>12.00- 12.50</td><td colspan="3"></td><td>Lecture
Tools in Medical Biology
Deniz Kıraç</td><td>Lecture
Vertebral column, ribs and sternum
Erdem Söztutar</td><td>Lecture
Chromosome Structure and Function, Plasmids, Transposable Genetic Elements
Turgay İsbir</td></tr>
<tr><td>13.00- 13.50</td><td>Lunch Break</td><td colspan="3">Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td></tr>
<tr><td>14.00- 14.50</td><td rowspan="2">Common Compulsory Course
Turkish Language & Literature
Bedri Selimhocaoğlu</td><td colspan="3" rowspan="2">Common Compulsory Course
Anatomical Drawing
Refik Aziz</td><td>Lecture
Cytoskeleton
Aylin Yaba Uçar</td><td>Independent Learning</td><td>Lecture
Chromosome Structure and Function, Plasmids, Transposable Genetic Elements
Turgay İsbir</td></tr>
<tr><td>15.00- 15.50</td><td>Lecture
Cell Nucleus and Cell Cycle
Aylin Yaba Uçar</td><td>Lecture
Genomics, Proteomics and Metabolomics
Turgay İsbir</td><td rowspan="3">Independent Learning</td></tr>
<tr><td>16.00- 16.50</td><td rowspan="2">Common Compulsory Course
Ataturk's Principles & History of Modern Turkey
Davut Ekşi</td><td colspan="3" rowspan="2">Common Compulsory Course
Humanities
Instructor</td><td rowspan="2">Independent Learning</td><td>Lecture
Chromosome Structure and Function, Plasmids, Transposable Genetic Elements
Turgay İsbir</td></tr>
<tr><td>17.00-17.50</td><td>Independent Learning</td></tr>
</table>

COMMITTEE II – CELL

IV. WEEK / 20 – 24 November 2017

<table>
<tr><th></th><th>Monday
20-Nov-2017</th><th>Tuesday
21-Nov-2017</th><th>Wednesday
22-Nov-2017</th><th>Thursday
23-Nov-2017</th><th>Friday
24-Nov-2017</th></tr>
<tr><td>09.00- 09.50</td><td colspan="2">Independent Learning</td><td colspan="2">Independent Learning</td><td>Lecture
General Structure of Viruses
Barış Ata Borsa</td><td>Lecture
Neurocranium
Erdem Söztutar</td><td>Lecture
Carboxylic Acids and Nitriles
Esra Önen Bayram</td></tr>
<tr><td rowspan="2">10.00- 10.50</td><td colspan="2">Laboratory / Anatomy
Vertebral Column, Sternum, and the Ribs
Erdem Söztutar</td><td colspan="2" rowspan="2">Clinical Skills Learning
ICP I
Basic Life Support and Heimlich Maneuver
Güldal İzbırak & Arzu Akalın& Serdar Özdemir</td><td rowspan="2">Lecture
General Structure of Viruses
Barış Ata Borsa</td><td rowspan="2">Lecture
Neurocranium
Erdem Söztutar</td><td rowspan="2">Lecture
Carboxylic Acids and Nitriles
Esra Önen Bayram</td></tr>
<tr><td>Group A</td><td>Group B
Independen t Learning</td></tr>
<tr><td>11.00- 11.50</td><td>Group A
Independent Learning</td><td>Group B</td><td rowspan="2">Group A and B Independent Learning</td><td rowspan="2">Group C
Scientific Project
Small Group Studiess</td><td rowspan="2">Group D</td><td>Lecture
Tools in Medical Biology
Turgay İsbir</td><td>Lecture
Neurocranium
Erdem Söztutar</td><td>Lecture
Radiation Protection (Safety)
Bilge Güvenç Tuna</td></tr>
<tr><td>12.00- 12.50</td><td colspan="2">Independent Learning</td><td>Lunch Break</td><td>Lunch Break</td><td colspan="2">Lunch Break</td></tr>
<tr><td>13.00- 13.50</td><td colspan="2">Lunch Break</td><td colspan="2">Lunch Break</td><td>Lecture
Introduction to Embryology and Human Devopmental Period
Alev Cumbul</td><td>Lecture
Half Value Layer, Attenuation
Bilge Güvenç Tuna</td><td colspan="2">Laboratory / Anatomy
Neurocranium
Erdem Söztutar
Group A Independent Learning | Group B</td></tr>
<tr><td>14.00- 14.50</td><td colspan="2" rowspan="2">Common Compulsory Course
Turkish Language & Literature
Bedri Selimhocaoğlu</td><td colspan="2" rowspan="2">Common Compulsory Course
Anatomical Drawing
Refik Aziz</td><td>Lecture
Gametogenesis; Spermatogenesis
Alev Cumbul</td><td>Lecture
Units of Radioactivity
Bilge Güvenç Tuna</td><td>Group A</td><td>Group B Independent Learning</td></tr>
<tr><td>15.00- 15.50</td><td>Lecture
DNA Damage and Repair Mechanism
Turgay İsbir</td><td>Lecture
Transport of Substances Through the Cell Membrane
Burcu Gemici Başol</td><td colspan="2">Lecture
The Demise of Humoral Theory
Medical History and Ethics</td></tr>
<tr><td>16.00- 16.50</td><td colspan="2" rowspan="2">Common Compulsory Course
Ataturk's Principles & History of Modern Turkey
Davut Ekşi</td><td colspan="2" rowspan="2">Common Compulsory Course
Humanities
Instructor</td><td>Lecture
DNA Damage and Repair Mechanism
Turgay İsbir</td><td>Lecture
Transport of Substances Through the Cell Membrane
Burcu Gemici Başol</td><td colspan="2" rowspan="2">Lecture
Medicalisation
Medical History and Ethics</td></tr>
<tr><td>17.00-17.50</td><td>Independent Learning</td><td>Independent Learning</td></tr>
</table>

COMMITTEE II – CELL

V. WEEK / 27 Nov – 01 Dec 2017

<table>
<tr><th></th><th>Monday
27-Nov-2017</th><th colspan="3">Tuesday
28-Nov-2017</th><th>Wednesday
29-Nov-2017</th><th>Thursday
30-Nov-2017</th><th colspan="3">Friday
01-Dec-2017</th></tr>
<tr><td>09.00- 09.50</td><td rowspan="4">Independent Learning</td><td colspan="3">Independent Learning</td><td>Independent Learning</td><td>Lecture
General structure of fungi
Çağatay Acuner</td><td colspan="3">Laboratory / Med. Biology
Nucleic Acid Purification
Turgay İsbir
Soner Doğan & Deniz Kıraç</td></tr>
<tr><td>10.00- 10.50</td><td colspan="3">Clinical Skills Learning
ICP I
Patient-Causalty Transportation / Bandaging Techniques
Özlem Tanrıöver & Serdar Özdemir</td><td>Lecture
Mitosis & Meiosis
Alev Cumbul</td><td>Lecture
General structure of fungi
Çağatay Acuner</td><td>Group A</td><td>Independent Learning Group B</td><td>Independent Learning Group C</td></tr>
<tr><td>11.00- 11.50</td><td>Group A</td><td>Group B Scientific Project Small Group Studiess</td><td>Group C and D Independent Learning</td><td>Lecture
Radioisotopes in Medicine
Bilge Güvenç Tuna</td><td>Lecture
Mendelian Laws and Inheritance
Turgay İsbir</td><td colspan="3">Laboratory / Med. Biology
Nucleic Acid Purification
Turgay İsbir
Soner Doğan & Deniz Kıraç</td></tr>
<tr><td>12.00- 12.50</td><td colspan="3"></td><td>Lecture
Biological mechanisms of Radiation
Bilge Güvenç Tuna</td><td>Lecture
Mendelian Laws and Inheritance
Turgay İsbir</td><td>Group A Independent Learning</td><td>Group B</td><td>Group C Independent Learning</td></tr>
<tr><td>13.00- 13.50</td><td>Lunch Break</td><td colspan="3">Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td><td colspan="3">Lunch Break</td></tr>
<tr><td>14.00- 14.50</td><td rowspan="2">Common Compulsory Course
Turkish Language & Literature
Bedri Selimhocaoğlu</td><td colspan="3" rowspan="2">Common Compulsory Course
Anatomical Drawing
Refik Aziz</td><td>Lecture
Gametogenesis; Oogenesis; Ovarian Cycle
Alev Cumbul</td><td>Lecture
Medical Imaging: Nuclear Medicine
Bilge Güvenç Tuna</td><td colspan="3">Laboratory / Med. Biology
Nucleic Acid Purification
Turgay İsbir
Soner Doğan & Deniz Kıraç</td></tr>
<tr><td>15.00- 15.50</td><td>Lecture
Oogenesis; Follicular and Menstruel Cycle
Alev Cumbul</td><td>Lecture
Medical Imaging: Applications of X-ray Attenuation & Detection
Bilge Güvenç Tuna</td><td>Group A Indepndent Learning</td><td>Group B Indepndent Learning</td><td>Group C</td></tr>
<tr><td>16.00- 16.50</td><td rowspan="2">Common Compulsory Course
Ataturk's Principles & History of Modern Turkey
Davut Ekşi</td><td colspan="3" rowspan="2">Common Compulsory Course
Humanities
Instructor</td><td>Lecture
Mutation and Polymorphism
Turgay İsbir</td><td>Lecture
Cell and Gene Therapy
Turgay İsbir</td><td colspan="3" rowspan="2">Independent Learning</td></tr>
<tr><td>17.00-17.50</td><td>Lecture
Mutation and Polymorphism
Turgay İsbir</td><td>Lecture
Cell and Gene Therapy
Turgay İsbir</td></tr>
</table>

COMMITTEE II – CELL

VI. WEEK / 04 – 08 Dec 2017

	Monday 04-Dec-2017	Tuesday 05-Dec-2017	Wednesday 06-Dec-2017	Thursday 07-Dec-2017	Friday 08-Dec-2017
09.00- 09.50	Independent Learning	**Clinical Skills Learning ICP I** Patient-Casualty Transportation / Bandaging Techniques *Özlem Tanrıöver & Serdar Özdemir*	**Lecture** Amines *Esra Önen Bayram*	**Lecture** General Structure of Parasites *Barış Ata Borsa*	**Laboratory / Med. Biology** Epigenetics (Population Genetics) *Turgay İsbir* *Soner Doğan & Deniz Kıraç*
10.00- 10.50		Group A and D Independent Learning / Group B / Group C Scientific Project Small Group Studiess	**Lecture** Amines *Esra Önen Bayram*	**Lecture** General Structure of Parasites *Barış Ata Borsa*	Group A Indep.enden t Learning / Group B Indep.enden t Learning / Group C
11.00- 11.50			**Lecture** Lasers in Medicine *Bilge Güvenç Tuna*	**Lecture** Cells and Bacteria *Medical History and Ethics*	**Laboratory / Med. Biology** Epigenetics (Population Genetics) *Turgay İsbir* *Soner Doğan & Deniz Kıraç*
12.00- 12.50		**Lunch Break**	**Independent Learning**	**Lecture** Anaesthesia, Antisepsis *Medical History and Ethics*	Group A Independent Learning / Group B / Group C Independent Learning
13.00- 13.50	**Lunch Break**	**Lecture** Fertilization *Aylin Yaba Uçar*	**Lunch Break**	**Lunch Break**	**Lunch Break**
14.00- 14.50	**Common Compulsory Course** Turkish Language & Literature *Bedri Selimhocaoğlu*	**Common Compulsory Course** Anatomical Drawing *Refik Aziz*	**Lecture** Blastulation *Aylin Yaba Uçar*	**Lecture** Viscocranium *Erdem Söztutar*	**Laboratory / Med. Biology** Epigenetics (Population Genetics) *Turgay İsbir* *Soner Doğan & Deniz Kıraç*
15.00- 15.50			**Lecture** Implantation *Aylin Yaba Uçar*	**Lecture** Viscocranium *Erdem Söztutar*	Group A / Group B Independent Learning / Group C Independe nt Learning
16.00- 16.50	**Common Compulsory Course** Ataturk's Principles & History of Modern Turkey *Davut Ekşi*	**Common Compulsory Course** Humanities *Instructor*	**Lecture** Mendelian Laws and Inheritance *Turgay İsbir*	**Lecture** Viscocranium *Erdem Söztutar*	**Independent Learning**
17.00-17.50			**Independent Learning**	**Independent Learning**	

COMMITTEE II – CELL
VII. WEEK / 11 – 15 Dec 2017

	Monday 11-Dec-2017	Tuesday 12-Dec-2017	Wednesday 13-Dec-2017	Thursday 14-Dec-2017	Friday 15-Dec-2017
09.00- 09.50	**Independent Learning**	**Independent Learning**	**Lecture** Steroids *Esra Önen Bayram*	**Lecture** Mendelian Laws and Inheritance *Turgay İsbir*	**Laboratory / Physiology** Osmosis & Diffusion *Burcu Gemici Başol*
10.00- 10.50		**Clinical Skills Learning ICP I** Patient-Casualty Transportation / Bandaging Techniques *Özlem Tanrıöver & Serdar Özdemir*	**Lecture** Steroids *Esra Önen Bayram*	**Lecture** Biological Aspects of Development *Turgay İsbir*	**Group A** / **Group B Independent Learning** / **Group C Independent Learning**
11.00- 11.50	**Laboratory / Anatomy** Viscocranium *Erdem Söztutar* **Group B** / **Group A Independent Learning**		**Laboratory / Med. Biology** Gene İdentification in Cancer *Turgay İsbir* *Soner Doğan & Deniz Kıraç*	**Lecture** Biological Aspects of Development *Turgay İsbir*	**Laboratory / Physiology** Osmosis & Diffusion *Burcu Gemici Başol*
12.00- 12.50	**Group B Independent Learning** / **Group A**	**Group A anb B Independent Learning** / **Group C** / **Group D Sci. Small Group Studiess**	**Group A Independent Learning** / **Group B Independent Learning** / **Group C**	**Lecture** Gastrulation; Primitive Streak, Notochord Formation *Alev Cumbul*	**Group A Independent Learning** / **Group B** / **Group C Independent Learning**
13.00- 13.50	**Learning**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**
14.00- 14.50	**Common Compulsory Course** Turkish Language & Literature *Bedri Selimhocaoğlu*	**Common Compulsory Course** Anatomical Drawing *Refik Aziz*	**Laboratory / Med. Biology** Gene Identification in Cancer *Turgay İsbir* *Soner Doğan & Deniz Kıraç*	**Lecture** Lasers in Medicine *Bilge Güvenç Tuna*	**Laboratory / Physiology** Osmosis & Diffusion *Burcu Gemici Başol*
15.00- 15.50			**Group A** / **Group B Independent Learning** / **Group C Independent Learning**	**Lecture** Osmotic Pressure and Permeability of The Cell Membrane *Burcu Gemici Başol*	**Group A Independent Learning** / **Group B Independent Learning** / **Group C**
16.00- 16.50	**Common Compulsory Course** Ataturk's Principles & Hıstory of Modern Turkey *Davut Ekşi*	**Common Compulsory Course** Humanities *Instructor*	**Laboratory / Med. Biology** Gene identification in Cancer *Turgay İsbir* *Soner Doğan & Deniz Kıraç*	**Lecture** Transport of Substances Through the Cell Membrane *Burcu Gemici Başol*	**Independent Learning**
17.00-17.50			**Group A Independent Learning** / **Group B** / **Grup C Independent Learning**	**Independent Learning**	

COMMITTEE II – CELL

VIII. WEEK / 18 – 22 Dec 2017

<table>
<tr><th></th><th>Monday
18-Dec-2017</th><th>Tuesday
19-Dec-2017</th><th>Wednesday
20-Dec-2017</th><th>Thursday
21-Dec-2017</th><th>Friday
22-Dec-2017</th></tr>
<tr><td>09.00- 09.50</td><td rowspan="3">Independent Learning</td><td rowspan="2">Assessment Session
Physiology
(Practical Exam)</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td>Independent Learning</td></tr>
<tr><td>10.00- 10.50</td><td rowspan="2">Assessment Session
Committee II
(MCQ)</td></tr>
<tr><td>11.00- 11.50</td><td>Assessment Session
Medical Biology
(Practical Exam)</td></tr>
<tr><td>12.00- 12.50</td><td>Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td></tr>
<tr><td>13.00- 13.50</td><td rowspan="5">Independent Learning</td><td rowspan="2">Assessment Session
Anatomy
(Practical Exam)</td><td rowspan="5">Independent Learning</td><td rowspan="5">Independent Learning</td><td>Program Evaluation Session
Review of the Exam Questions, Evaluation of the Committee II Program
Head of Committee</td></tr>
<tr><td>14.00- 14.50</td><td rowspan="4">Independent Learning</td></tr>
<tr><td>15.00- 15.50</td><td rowspan="3">Independent Learning</td></tr>
<tr><td>16.00- 16.50</td></tr>
<tr><td>17.00-17.50</td></tr>
</table>

COMMITTEE III - TISSUE I

DISTRIBUTION of LECTURE HOURS

December 25th, 2017 - February 23rd, 2018

COMMITTEE DURATION: 6 WEEKS

MED 104	BASIC MEDICAL SCIENCES I	THEO.	PRAC.	PBL	TOTAL
	DISCIPLINE	***60***	***18***	***5***	***83***
	ANATOMY	18	2Grx5H		23
	BIOPHYSICS	10	0		10
	HISTOLOGY & EMBRYOLOGY	12	2Grx5H		17
	MEDICAL HISTORY & ETHICS	6	0		6
	PHYSIOLOGY	8	3Grx8H		16
	SCIENTIFIC PROJECT I	2	0		2
	IMMUNOLOGY	4			4

MD 102	**ICP-I**	8	1Grx3H		8
MED 103	**ANATOMICAL DRAWING**	0	8		8
HTR 301-302	**ATATURK'S PRINCIPLES & HISTORY OF MODERN TURKEY**	6	0		8
	ELECTIVE COURSE	4	0		4
TKL 201-202	**TURKISH LANGUAGE & LITERATURE**	6	0		8

	TOTAL	**85**	**26**	**5**	**115**

Coordination Committee	Head	Erdem SÖZTUTAR, MD, Assist. Prof.
	Secretary	Bilge GÜVENÇ TUNA, PhD, Assist. Prof.
	Member	Burcu Gemici BAŞOL, PhD. Asisst. Prof.
	Member	Alev CUMBUL PhD Assist. Prof.

COMMITTEE III –TISSUE I
LECTURERS

BASIC MEDICAL SCIENCES I	
DISCIPLINE	**FACULTY**
ANATOMY	Erdem SÖZTUTAR, MD, Assist. Prof.
BIOPHYSICS	Bilge GÜVENÇ TUNA, PhD, Assist. Prof.
HISTOLOGY & EMBRYOLOGY	Alev CUMBUL, PhD, Assist. Prof.
	Aylin YABA UÇAR, PhD, Assist. Prof.
MEDICAL HISTORY & ETHICS	Hakan ERTİN, MD Assoc. Prof.
PHYSIOLOGY	Burcu GEMİCİ BAŞOL, Assist. Prof.
SCIENTIFIC PROJECT I	Gülderen YANIKKAYA DEMİREL, MD, PhD, Assoc. Prof.
IMMUNOLOGY	Gülderen YANIKKAYA DEMİREL, MD, PhD, Assoc. Prof.

INTRODUCTION TO CLINICAL PRACTICE I (ICP-I)	Güldal İZBIRAK, MD, Assoc. Prof.
	Özlem TANRIÖVER, MD, Assoc. Prof.
	Arzu AKALIN, MD, Assist. Prof.
	Serdar ÖZDEMİR, MD, Assist. Prof.
ANATOMICAL DRAWING	Refik AZİZ, PhD, Assist. Prof.
ATATURK'S PRINCIPLES & HISTORY OF MODERN TURKEY	Davut EKŞİ, PhD, Instructor
TURKISH LANGUAGE & LITERATURE	Bedri SELİMHOCAOĞLU, Instructor

COMMITTEE III –TISSUE I
AIM AND LEARNING OBJECTIVES

AIM

1. **to convey** basic terms and concepts for anatomy, physiology, embryology, histology, immunology, biophysics, behavioral sciences, and medical ethics***.***
2. ***to convey*** knowledge on four fundamental tissues forming the body, cells forming these tissues.
3. ***to convey*** knowledge on excitation and contraction mechanisms of muscles***.***
4. ***to convey*** knowledge on system-specific (pelvis, joints of vertebrae, bones and joints of lower and upper extremities) anatomy and its clinical applications***.***

LEARNING OBJECTIVES

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

1.0. explain anatomical characteristics of joints in general.
2.0. define anatomical properties and clinical implications for skull bones, vertebrae and thorax.
3.0. describe the link between the anatomical characteristics of bones and joints of lower and upper extremities and their clinical reflections.
4.0. explain muscle contraction mechanism on the basis of Sliding Filament Theory.
5.0. know basic properties of digital biomedical signals
6.0. explain link between structure and role of tissues.
7.0. for epithel tissue;
7.1. explain general specification,
7.2. recognize eight covering epithelium subtypes,
7.3. explain histological basis on which glands are classified
8.0. for muscle tissue;
8.1. describe histological characteristics and relate main function,
8.2. summarize the main similarities and differences between three different types of muscle.
9.0. for connective tissue;
9.1. explain general specification.
9.2. classify connective tissue proper.
10.0. list histologic properties of blood
11.0. define the correlation between ethics and philosophy in relation with main ethical theories.
12.0. define membrane and action potentials and sodium/potassium pumps.
13.0. list mechanisms of excitation and contraction in skeletal muscle.
14.0. explain role of autonomous nervous system in excitation of smooth muscle and heart muscle.
15.0. define EMG.
16.0. define the basics of immune response
17.0. explain case scenario related basic medical science topics in a clinical contex.

COMMITTEE III –TISSUE I
COMMITTEE ASSESSMENT MATRIX

LEARNING OBJECTIVES	LECTURER / INSTRUCTOR	DISTRUBITION of MCQs			
		CE	FE	IE	TOTAL
1.0, 2.0, 3.0	Dr. E. Söztutar	30	8	8	46
4.0, 5.0	Dr. B.Güvenç Tuna	16	4	4	25
6.0, -10.0	Dr. A. Cumbul Dr. A. Yaba Uçar	22	6	6	34
11.0	Dr. H. Ertin	10	3	3	16
12.0 -15.0	Dr. B. Gemici Başol	14	4	4	22
16.0	Dr. G. Yanıkkaya Demirel	7	2	2	11
17.0	PBL Scenario	1	0	0	1
	TOTAL	**100**	**27/200#**	**27/200#**	**154**

LEARNING OBJECTIVES	DISCIPLINE	DISTRUBITION of LAB POINTS
		LPE
1.0 - 2.0 - 3.0	ANATOMY	30
6.0 – 10.0	HISTOLOGY & EMBRYOLOGY	30
12.0 -15.0	PHYSIOLOGY	40
	TOTAL	**100**

Total number of MCQs are 90 (each question has equal value)
Total value of LPE is equal to 100 points
CS = 95% of [90% CE (MCQ) + 10% (LPE)] + 5% of PBL-P
#In FE and ICE **26** out of 200 MCQs will be from this Committee (Each question has equal value).

Abbreviations:
MCQ: Multiple Choice Question
LPE: Practical Lecture Evaluation
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam
PBL-P: Evaluation of PBL Student's Performance

COMMITTEE III - TISSUE I

I. WEEK / 25 – 29 Dec 2017

	Monday 25-Dec-2017	Tuesday 26-Dec-2017	Wednesday 27-Dec-2017	Thursday 28-Dec-2017	Friday 29-Dec-2017
09.00- 09.50	**PBL Session**	**Independent Learning**	**Lecture** Histology of Covering Epithelium; Surface Specification *Aylin Yaba Uçar*	**Independent Learning**	**PBL Session**
10.00- 10.50		**Clinical Skills Learning** **ICP I** Patient-Casualty Transportation / Bandaging Techniques *Özlem Tanrıöver & Serdar Özdemir*	**Lecture** Histology of Glandular Epithelium *Aylin Yaba Uçar*		
11.00- 11.50		**Group A Scientific Project Small Group Studiess** / **Group B and C Independent Learning** / **Group D**	**Lecture** Membrane Potentials and Action Potentials *Burcu Gemici Başol*		
12.00- 12.50	**Independent Learning**		**Lecture** Membrane Potentials and Action Potentials *Burcu Gemici Başol*		**Independent Learning**
13.00- 13.50	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**
14.00- 14.50	**Introductory Session** Introduction to Committee III *Secretary of Committee III*	**Lecture** Introduction to Arthrology *Erdem Söztutar*	**Laboratory / Histology** Histology of Epithel Tissue *Alev Cumbul & Aylin Yaba Uçar*	**Independent Learning**	**Lecture** Joints of the upper limb *Erdem Söztutar*
15.00- 15.50	**Lecture** Histology of Covering Epithelium; Structure, Classification *Aylin Yaba Uçar*	**Lecture** Introduction to Arthrology *Erdem Söztutar*	**Group A Independent Learning** / **Group B**		**Lecture** Joints of the upper limb *Erdem Söztutar*
16.00- 16.50	**Independent Learning**	**Lecture** Joints of the Upper Limb *Erdem Söztutar*	**Introduction to Elective Courses**		**Lecture** Skeletal Muscle Physiology *Burcu Gemici Başol*
17.00-17.50		**Independent Learning**			**Independent Learning**

COMMITTEE III - TISSUE I

II. WEEK / 01 – 05 Jan 2018

	Monday 01-Jan-2018	Tuesday 02-Jan-2018	Wednesday 03-Jan-2018	Thursday 04-Jan-2018	Friday 05-Jan-2018
09.00- 09.50	01 JANUARY 2018 OFFICIAL HOLIDAY	**Independent Learning**	**Lecture** Histology of Muscle Tissue; General Specification *Alev Cumbul*	**Laboratory / Histology** Histology of Epithel Tissue *Alev Cumbul & Aylin Yaba Uçar*	**Laboratory / Physiology** EMG I *Burcu Gemici Başol*
10.00- 10.50		**Lecture / ICP I** Introduction to Communication Skills *Özlem Tanrıöver*	**Lecture** Histology of Striated Skeletal Muscle *Alev Cumbul*	**Group A** / **Group B Independent Learning**	**Group A** / **Group B Independent Learning** / **Group C Independent Learning**
11.00- 11.50		**Lecture / ICP I** Basic Communication Skills *Arzu Akalın*	**Lecture** Asymmetric Distribution& Transport of Ions *Bilge Güvenç Tuna*	**Lecture** Histology of Heart & Smooth Muscle *Alev Cumbul*	**Group A Independent Learning** / **Group B** / **Group C Independent Learning**
12.00- 12.50		**Lecture / ICP I** Basic Communication Skills *Arzu Akalın*	**Lecture** Asymmetric Distribution& Transport of Ions *Bilge Güvenç Tuna*	**Lecture** Development of the Muscular System *Alev Cumbul*	
13.00- 13.50		**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**
14.00- 14.50		**Laboratory / Anatomy** Joints of the upper limb *Erdem Söztutar*	**Lecture** Joints of the Lower Limb *Erdem Söztutar*	**Lecture** What is Immunology? *Gulderen Yanikkaya Demirel*	**Laboratory / Physiology** EMG I *Burcu Gemici Başol*
		Group A / **Group B Independent Learning**			**Group A Independent Learning** / **Group B Independent Learning** / **Group C**
15.00- 15.50		**Group A Independent Learning** / **Group B**	**Lecture** Joints of the Lower Limb *Erdem Söztutar*	**Lecture** What is Immunology? *Gulderen Yanikkaya Demirel* **Laboratory/Anatomy** Joints of the lower limb *Erdem Soztutar*	
16.00- 16.50		**Lecture** Rise of the Hospitals *Medical History and Ethics*	**Lecture** Joints of the Lower Limb *Erdem Söztutar*	**Group A Independent Learning** / **Group B**	**Lecture** Joints of the Vertebral Column *Erdem Söztutar*
17.00-17.50		**Lecture** From Mahmud II's Mekteb-i Tıbbiye to the University Reform 1933 *Medical History and Ethics*	**Independent Learning**	**Group A** / **Group B Independent Learning**	**Lecture** Joints of the Axial Skeleton *Erdem Söztutar*

COMMITTEE III - TISSUE I

III. WEEK / 8 Jan - 12 Jan 2018

	Monday 8-Jan-2018	Tuesday 9-Jan-2018	Wednesday 10-Jan-2018	Thursday 11-Jan-2018	Friday 12-Jan-2018
09.00- 09.50	**Laboratory / Histology** Histology of Muscle Tissue *Alev Cumbul & Aylin Yaba Uçar*	**Lecture** Histology of Connective Tissue; Extracellular Matrix *Alev Cumbul*	**Lecture** Smooth Muscle Physiology *Burcu Gemici Başol*	**Laboratory / Histology** Histology of Muscle Tissue *Alev Cumbul & Aylin Yaba Uçar*	**Laboratory / Physiology** EMG II *Burcu Gemici Başol*
10.00- 10.50	**Group A** / **Group B Independent Learning**	**Lecture / ICP I** The Medical Interview *Güldal İzbırak*	**Lecture** Smooth Muscle Physiology *Burcu Gemici Başol*	**Group A Independent Learning** / **Group B**	**A Independent Learni** / **B Independent Learni** / **Group C**
11.00- 11.50	**Laboratory / Anatomy** Joints of the Vertebral Column and Axial Skeleton *Erdem Soztutar* **Group A** / **Group B Independent Learning**	**Lecture / ICP I** The Medical Interview *Güldal İzbırak*	**Lecture** Resting membrane potential: Ionic balance *Bilge Güvenç Tuna*	**Lecture** Cells and tissues of immune system *Gulderen Yanikkaya Demirel*	**Laboratory / Physiology** EMG II *Burcu Gemici Başol*
12.00- 12.50	**Group A Independent Learning** / **Group B**	**Lecture / ICP I** Giving Information *Özlem Tanrıöver*	**Lecture** Nernst and Goldman equations *Bilge Güvenç Tuna*	**Lecture** Cells and tissues of immune system *Gulderen Yanikkaya Demirel*	**Group A Independent Learning** / **Group B** / **Group C Independent Learning**
13.00- 13.50	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**
14.00- 14.50	**Lecture** Neuromuscular Transmission *Burcu Gemici Başol*	**Common Compulsory Course** Anatomical Drawing *Refik Aziz*	**Lecture** Joints of the Cranium and Fontanelles *Erdem Söztutar*	**Lecture** Histology of Connective Tissue; Cells *Alev Cumbul*	**Laboratory / Physiology** EMG II *Burcu Gemici Başol*
15.00- 15.50	**Independent Learning**		**Lecture** Joints of the Cranium and Fontanelles *Erdem Söztutar*	**Lecture** Histology of Connective Tissue Proper; Types *Alev Cumbul*	**Group A** / **Group B Independent Learning** / **Group C Independent Learning**
16.00- 16.50		**Independent Learning**	**Lecture** Antibiotics, Cancer Therapy *Medical History and Ethics*	**Lecture** Biophysical modeling of membrane & ion channels *Bilge Güvenç Tuna*	**Independent Learning**
17.00-17.50			**Lecture** Heyday and Crisis (20 th c.) *Medical History and Ethics*	**Independent Learning**	

MIDTERM BREAK

15 JAN 2018 - 26 JAN 2018

COMMITTEE III - TISSUE I

IV. WEEK / 29 Jan – 02 Feb 2018

	Monday 29-Jan-2018	Tuesday 30-Jan-2018	Wednesday 31-Jan-2018	Thursday 01-Feb-2018	Friday 02-Feb-2018
09.00- 09.50	**Independent Learning**	**Independent Learning**	**Lecture** Genetic Medicine *Medical History and Ethics*	**Lecture / Scientific Project I** How to Read an Article *Gülderen Yanıkkaya Demirel*	**Independent Learning**
10.00- 10.50	**Laboratory/Anatomy** Joints of the Cranium and Fontanelles *Erdem Söztutar* **Group A Independent Learning** / **Group B**	**Lecture** Contractile machinery; sliding filament theory *Bilge Güvenç Tuna*	**Lecture** History of our Future *Medical History and Ethics*	**Lecture / Scientific Project I** How to Read an Article *Gülderen Yanıkkaya Demirel*	
11.00- 11.50	**Group A** / **Group B Independent Learning**	**Lecture / ICP I** The Medical History *Güldal İzbirak*	**Lecture** Action potential: Rheobase and Chronaxie *Bilge Güvenç Tuna*	**Lecture** Muscles of the Back *Erdem Söztutar*	**Laboratory / Physiology** Smooth Muscle Contractility *Burcu Gemici Başol*
12.00- 12.50	**Lunch Break**	**Lecture / ICP I** The Medical History *Güldal İzbırak*	**Lecture** Impulse propagation *Bilge Güvenç Tuna*	**Lecture** Muscles of the Back and Nape *Erdem Söztutar*	**Group A** / **Group B Independent Learning** / **Group C Independent Learning**
13.00- 13.50	**PROGRAM IMPROVEMENT SESSION** *Phase Coordinator*	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**
14.00- 14.50	**Common Compulsory Course** Turkish Language & Literature *Bedri Selimhocaoğlu*	**Common Compulsory Course** Anatomical Drawing *Refik Aziz*	**Lecture** Introduction to Myology *Erdem Söztutar*	**Lecture** Blood, RBC and Platelets *Aylin Yaba Uçar*	**Laboratory / Physiology** Smooth Muscle Contractility *Burcu Gemici Başol*
15.00- 15.50			**Lecture** Introduction to Myology *Erdem Söztutar*	**Lecture** Blood WBC, Blood Smear *Aylin Yaba Uçar*	**Group A Independent Learning** / **Group B Independent Learning** / **Group C**
16.00- 16.50	**Independent Learning**	**Common Compulsory Course** Ataturk's Principles & History of Modern Turkey *Davut Ekşi*	**Lecture** Physiology of Cardiac Muscle *Burcu Gemici Başol*	**Lecture** Muscle mechanic; mechanical Powers of cardiac and skeletal muscle *Bilge Güvenç Tuna*	**Laboratory / Physiology** Smooth Muscle Contractility *Burcu Gemici Başol*
17.00-17.50			**Lecture** Physiology of Cardiac Muscle *Burcu Gemici Başol*	**Independent Learning**	**Group A Independent Learning** / **Group B** / **Group C Independent Learning**

COMMITTEE III - TISSUE I

V. WEEK / 5 Feb – 9 Feb 2018

<table>
<tr><th></th><th>Monday
05-Feb-2018</th><th>Tuesday
06-Feb-2018</th><th>Wednesday
07-Feb-2018</th><th>Thursday
08-Feb-2018</th><th>Friday
09-Feb-2018</th></tr>
<tr><td>09.00- 09.50</td><td rowspan="2">Independent Learning</td><td>Independent Learning</td><td rowspan="2">Laboratory / Histology
Alev Cumbul & Aylin Yaba Uçar
Review Session
Group A and B</td><td>Lecture
Haematopoiesis
Aylin Yaba Uçar</td><td rowspan="5">Independent Learning</td></tr>
<tr><td>10.00- 10.50</td><td rowspan="3">Assessment Session
ICP I
(MCQ)</td><td>Lecture
Biophysics of smooth muscle contraction
Bilge Güvenç Tuna</td></tr>
<tr><td>11.00- 11.50</td><td>Laboratory / Anatomy
Muscles of the Back and Nape
Erdem Söztutar
Group A | Group B Independent Learning</td><td>Laboratory / Physiology
Cardiac Muscle with PhysioEx
Burcu Gemici Başol</td><td rowspan="2">Independent Learning</td></tr>
<tr><td>12.00- 12.50</td><td>Group A Independent Learning | Group B</td><td>Group A | Group B Independent Learning | Group C Independent Learning</td></tr>
<tr><td>13.00- 13.50</td><td colspan="2">Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td></tr>
<tr><td>14.00- 14.50</td><td rowspan="2">Common Compulsory Course
Turkish Language & Literature
Bedri Selimhocaoğlu</td><td rowspan="2">Common Compulsory Course
Anatomical Drawing
Refik Aziz</td><td>Laboratory / Physiology
Cardiac Muscle with PhysioEx
Burcu Gemici Başol</td><td rowspan="2">ELECTIVE WEEK I</td><td rowspan="2">Independent Learning</td><td rowspan="3">Independent Learning</td></tr>
<tr><td>15.00- 15.50</td><td>Group A Independent Learning | Group B | Group C Independent Learning</td></tr>
<tr><td>16.00- 16.50</td><td>Lecture
Introduction to Peripheral Nervous System
Erdem Söztutar</td><td rowspan="2">Common Compulsory Course
Ataturk's Principles & History of Modern Turkey
Davut Ekşi</td><td>Group A Independent Learning | Group B Independent Learning | Group C</td><td>Independent Learning</td><td>ELECTIVE WEEK I</td></tr>
<tr><td>17.00-17.50</td><td>Lecture
Spinal Nerves
Erdem Söztutar</td><td colspan="3"></td></tr>
</table>

COMMITTEE III - TISSUE I
VI. WEEK / 12 – 16 Feb 2018

<table>
<tr><th></th><th>Monday
12-Feb-2018</th><th>Tuesday
13-Feb-2018</th><th>Wednesday
14-Feb-2018</th><th>Thursday
15-Feb-2018</th><th>Friday
16-Feb-2018</th></tr>
<tr><td>09.00- 09.50</td><td>Independent Learning</td><td rowspan="2">Assessment Session
Histology
(Practical Exam)</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td>Independent Learning</td></tr>
<tr><td>10.00- 10.50</td><td rowspan="3">Assessment Session
Anatomy
(Practical Exam)</td><td rowspan="3">Assessment Session Committee III
(MCQ)</td></tr>
<tr><td>11.00- 11.50</td><td rowspan="2">Assessment Session
Physiology
(Practical Exam)</td></tr>
<tr><td>12.00- 12.50</td><td></td></tr>
<tr><td>13.00- 13.50</td><td>Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td></tr>
<tr><td>14.00- 14.50</td><td rowspan="2">Common Compulsory Course
Turkish Language & Literature
Bedri Selimhocaoğlu</td><td rowspan="2">Common Compulsory Course
Anatomical Drawing
Refik Aziz</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="2">Program Evaluation Session
Review of the Exam Questions,
Evaluation of the Committee III Program
Head of Committee</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">Common Compulsory Course
Ataturk's Principles & History of Modern Turkey
Davut Ekşi</td><td rowspan="2">Independent Learning</td></tr>
<tr><td>17.00-17.50</td><td></td></tr>
</table>

COMMITTEE IV - TISSUE II

DISTRIBUTION of LECTURE HOURS

February 19, 2018 - April 13, 2018

COMMITTEE DURATION: 8 WEEKS

MED 104	BASIC MEDICAL SCIENCES I	THEO.	PRAC.	TOTAL
	DISCIPLINE	***108***	***18***	***126***
	ANATOMY	22	2Grx9H	31
	BEHAVIORAL SCIENCES	14	0	14
	BIOCHEMISTRY	34	3Grx2H	36
	BIOPHYSICS	6	0	6
	BIOSTATISTICS	12	0	12
	HISTOLOGY & EMBRYOLOGY	8	2Grx5H	13
	MEDICAL BIOLOGY	8	3Grx2H	10
	IMMUNOLOGY	4	0	4

MED 103	**ANATOMICAL DRAWING**	0	16	16
MED 102	**ICP-I**	0	21	21
HTR 301-302	**ATATURK'S PRINCIPLES & HISTORY OF MODERN TURKEY**	16	0	16
TKL 201-202	**TURKISH LANGUAGE & LITERATURE**	16	0	16
	ELECTIVE COURSE	16	0	16

	TOTAL	**156**	**55**	**211**

Coordination Committee	Head	İnci ÖZDEN, PhD, Prof.
	Secretary	Aylin YABA UÇAR, PhD, Assist. Prof.
	Member	Deniz KIRAÇ, PhD, Assist. Prof.
	Member	Erdem SÖZTUTAR, MD, Assist. Prof.

COMMITTEE IV – TISSUE II
LECTURERS

BASIC MEDICAL SCIENCES I DISCIPLINE	FACULTY
ANATOMY	Erdem SÖZTUTAR, MD. Assist. Prof.
BEHAVIORAL SCIENCES	
BIOCHEMISTRY	İnci ÖZDEN, PhD, Prof.
	Altay Burak DALAN, PhD, Assoc. Prof
	Jale ÇOBAN, MD, Prof.
BIOPHYSICS	Bilge GÜVENÇ TUNA, PhD, Assist. Prof.
BIOSTATISTICS	E. Çiğdem ALTUNOK, PhD, Assist. Prof.
HISTOLOGY & EMBRYOLOGY	Alev CUMBUL, PhD, Assist. Prof.
	Aylin YABA UÇAR, PhD, Assist. Prof.
MEDICAL BIOLOGY	Turgay İSBİR, PhD, Prof.
	Soner DOĞAN, PhD, Assoc. Prof.
	Deniz KIRAÇ, PhD, Assist. Prof.
IMMUNOLOGY	Gülderen YANIKKAYA DEMİREL, MD, PhD, Assoc. Prof.
SCIENTIFIC PROJECT I	Gülderen YANIKKAYA DEMİREL, MD, PhD, Assoc. Prof.
INTRODUCTION TO CLINICAL PRACTICE I (ICP-I)	Güldal İZBIRAK, MD, Assoc. Prof.
	Özlem TANRIÖVER, MD, Assoc. Prof.
	Arzu AKALIN, MD, Assist. Prof.
ANATOMICAL DRAWING	Refik AZİZ, PhD, Assist. Prof.
ATATURK'S PRINCIPLES & HISTORY OF MODERN TURKEY	Davut EKŞİ, PhD, Instructor
TURKISH LANGUAGE & LITERATURE	Bedri SELİMHOCAOĞLU, Instructor

COMMITTEE IV – TISSUE II
AIM AND LEARNING OBJECTIVES

AIM

1. **to convey** basic terms and concepts for anatomy, embryology, histology, immunology, biostatistics, biophysics, biochemistry, behavioral sciences, and medical biology.
2. **to convey** knowledge on four fundamental tissues forming the body, cells forming these tissues and the intercellular material.
3. **to convey** knowledge on system-specific (upper extremities, back and chest area muscles, vascular and nervous innervations) anatomy and its clinical applications.
4. ***to convey*** knowledge on basic metabolic pathways of the body.

LEARNING OBJECTIVES

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

1.0. define the basic characteristics of the anatomy of the peripheral nervous system, muscular and vascular systems.
2.0. describe anatomical features, vessels, nervous innervations of upper extremities, and back muscles
3.0. describe the clinical implications of the anatomical features of the upper limb.
4.0. list general paradigms and basic concepts of psychology.
5.0. define consciousness, altered states of consciousness, stages of sleep, and measurement of intelligence.
6.0. describe Piaget's cognitive development theory, attitudes, cognitive dissonance, experiments on conformity,
obedience, halo effect, and management of authority.
7.0. explain classical conditioning, operant conditioning, punishment, reinforcement, reinforcement schedules, extinction, spontaneous recovery, and social-cognitive learning.
8.0. for carbohydrates, lipids, proteins, and nucleotides;
8.1. describe their structure.
8.2. define their structural and biochemical functions in tissues.
9.0. for enzymes;
9.1. explain the general properties of enzymes.
9.2. describe the kinetics of enzymes.
9.3. list the enzymes of the respiratory chain in the order of their arrangement.
9.4. explain the function of each enzyme of the respiratory chain
9.5. explain the functions of enzymes involved in removal of Reactive Oxygen Species (ROS).
10.0. for substrate level phosphorylation;
10.1. explain the mechanism.
10.2. list the metabolic pathways.
11.0. explain basic physical properties of biomaterials (such as bone and vessels)
12.0. list distribution types and properties in statistics.
13.0. explain descriptive statistics.
14.0. for cartilage and bone tissue;
14.1. explain general microscopic characteristics.
14.2. list ossification steps.
15.0. for nervous tissue;
15.1. define general histologic structure.
15.2. list neuron and glia types.
16.0. recognize the components of extracellular matrix and their interactions with each other.
17.0. define the basics of immune response

COMMITTEE IV – TISSUE II
COMMITTEE ASSESSMENT MATRIX

LEARNING OBJECTIVES	LECTURER / INSTRUCTOR	DISTRUBITION of MCQs			
		CE	FE	IE	TOTAL
1.0, 2.0, 3.0	Dr. E. Söztutar	21	10	10	40
4.0, - 7.0	Behavioral Science	13	6	6	25
8.0 – 10.0	Dr. İ. Özden Dr. B. Dalan	31	16	16	63
11.0	Dr. B.G. Tuna	5	2	2	10
12.0,13.0	Dr. Ç. ALTUNOK	-	6	6	12
14.0 – 15.0 14.0 – 15.0	Dr. A. Cumbul Dr. A. Yaba Uçar	8	4	4	15
16.0	Dr. T. İsbir	7	4	4	15
17.0	Dr. G. Yanıkkaya Demirel	4	2	2	8
	TOTAL	**89**	**50/200#**	**50/200#**	**189**

LEARNING OBJECTIVES	DISCIPLINE	DISTRUBITION of MEQ*POINTS
		CE
12.0,13.0	BIOSTATISTICS	11
	TOTAL	**11**

LEARNING OBJECTIVES	DISCIPLINE	DISTRUBITION of LAB POINTS
		LPE
1.0 - 2.0 - 3.0	ANATOMY	50
8.0 – 10.0	BIOCHEMISTRY	10
14.0 – 15.0	HISTOLOGY & EMBRYOLOGY	30
16.0	MEDICAL BIOLOGY	10
	TOTAL	**100**

Total number of MCQs are 90 (each question has equal value)
Total value of LPE is equal to 100 points
Commitee Score (CS) = 90% CE (MCQ+MEQ) + 10% (LPE)
#In FE and ICE **50** out of 200 MCQs will be from this Committee (Each question has equal value).

Abbreviations:
MCQ: Multiple Choice Question
MEQ: Modified Essay Questions * Biostatistics exam will be given separately before the committee exam date.
LPE: Practical Lecture Evaluation
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam

COMMITTEE IV -TISSUE II

I. WEEK / 26 Feb – 02 Mar 2018

	Monday 19-Feb-2018	Tuesday 20-Feb-2018	Wednesday 21-Feb-2018	Thursday 22-Feb-2018	Friday 23-Feb-2018
09.00- 09.50	**Independent Learning**	**Clinical Skills Learning** **ICP I** Patient-Doctor Communication Skills General Approach *Özlem Tanrıöver & Arzu Akalın*	**Lecture** Histology of Adipose Tissue *Alev Cumbul*	**Lecture** Monosaccharide Derivatives, Disaccharides, Polysaccharides, Starch, Glycogen *İnci Özden*	**Independent Learning**
10.00- 10.50		**Group A** / **Group B Scientific Project Small Group Studies** / **Group C and D Independent Learning**	**Lecture** Classification of Carbohydrates, General Features of Carbohydrates *İnci Özden*	**Lecture** Monosaccharide Derivatives, Disaccharides, Polysaccharides, Starch, Glycogen *İnci Özden*	**Lecture** Glycosaminoglycans, Structures and Functions *İnci Özden*
11.00- 11.50			**Lecture** Classification of Carbohydrates, General Features of Carbohydrates *İnci Özden*	**Behavioral Science / Lecture** Life Cycle: Pregnancy through Preschool *Instructors*	**Lecture** Glycosaminoglycans, Structures and Functions *İnci Özden*
12.00- 12.50		**Introductory Session** Introduction to Commitee IV *Head of Committee IV*	**Lunch Break**	**Behavioral Science / Lecture** Life Cycle; School Age, Adolescence and Adulthood *Instructors*	**Lunch Break**
13.00- 13.50	**Lunch Break**	**Lunch Break**	**Independent Learning**	**Lunch Break**	**Lecture** Extracellular Matrix *Turgay İsbir*
14.00- 14.50	**Common Compulsory Course** Turkish Language & Literature *Bedri Selimhocaoğlu*	**Common Compulsory Course** Anatomical Drawing *Refik Aziz*	**Lecture** Muscles of the Arm *Erdem Söztutar*	**ELECTIVE WEEK II** / **Independent Learning**	**Lecture** Extracellular Matrix *Turgay İsbir*
15.00- 15.50			**Lecture** Muscles of the Arm *Erdem Söztutar*		**Lecture** Muscles of the Forearm *Erdem Söztutar*
16.00- 16.50	**Lecture** Muscles of the Shoulder Girdle *Erdem Söztutar*	**Common Compulsory Course** Ataturk's Principles & History of Modern Turkey *Davut Ekşi*	**Laboratory / Anatomy** Muscles of the Shoulder Girdle and Axilla *Erdem Söztutar* **Group A** / **Group B Independent Learning**	**Independent Learning Independent Learning** / **ELECTIVE WEEK II**	**Lecture** Muscles of the Forearm *Erdem Söztutar*
17.00-17.50	**Lecture** Muscles of the Shoulder Girdle and Axilla *Erdem Söztutar*		**Group A Independent Learning** / **Group B**		**Independent Learning**

COMMITTEE IV - TISSUE II

II. WEEK / 26 Feb – 02 Mar 2018

	Monday 26-Feb-2018	Tuesday 27-Feb-2018	Wednesday 28-Feb-2018	Thursday 01-Mar-2018	Friday 02-Mar-2018
09.00- 09.50	**Independent Learning**	**Independent Learning**	**Lecture** Classification of Lipids, General Features of Lipids *İnci Özden*	**Lecture** Saturated and Unsaturated Fatty Acids, Essential Fatty Acids *İnci Özden*	**Lecture** Triacylglycerols *İnci Özden*
10.00- 10.50	**Clinical Skills Learning** **ICP I** Patient-Doctor Communication Skills General Approach *Özlem Tanrıöver & Arzu Akalın*		**Lecture** Classification of Lipids, General Features of Lipids *İnci Özden*	**Lecture** Saturated and Unsaturated Fatty Acids, Essential Fatty Acids *İnci Özden*	**Lecture** Triacylglycerols *İnci Özden*
11.00- 11.50	**Group A and D Independent Learning** / **Group B** / **Group C Scientific Project Small Group Studies**		**Lecture** Histology of Cartilage Tissue *Alev Cumbul*	**Behavioral Science / Lecture** Life Cycle; Aging, Death and Bereavement *Instructors*	**Lecture** Digital recording of biomedical signals *Bilge Güvenç Tuna*
12.00- 12.50			**Lecture** Histology of Bone Tissue; Microscopic Structure *Alev Cumbul*	**Behavioral Science / Lecture** Life Cycle; Aging, Death and Bereavement *Instructors*	**Lecture** Digital recording of biomedical signals *Bilge Güvenç Tuna*
13.00- 13.50	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**
14.00- 14.50	**Common Compulsory Course** Turkish Language & Literature *Bedri Selimhocaoğlu*	**Common Compulsory Course** Anatomical Drawing *Refik Aziz*	**Laboratory / Anatomy** Muscles of the Forearm *Erdem Söztutar* **Group A** / **Group B Independent Learning**	**ELECTIVE WEEK III** / **Independent Learning**	**Lecture** Main Concepts in Biostatistics *E. Çiğdem Altunok*
15.00- 15.50			**Group A Independent Learning** / **Group B**	**Independent Learning** / **ELECTIVE WEEK III**	**Lecture** Main Concepts in Biostatistics *E. Çiğdem Altunok*
16.00- 16.50	**Laboratory / Anatomy** Muscles of the Arm *Erdem Söztutar* **Group A Independent Learning** / **Group B**	**Common Compulsory Course** Ataturk's Principles & History of Modern Turkey *Davut Ekşi*	**Lecture** Extracellular Matrix *Turgay İsbir*		**Lecture** Extracellular Matrix *Turgay İsbir*
17.00-17.50	**Group A** / **Group B Independent Learning**		**Lecture** Extracellular Matrix *Turgay İsbir*		**Lecture** Extracellular Matrix *Turgay İsbir*

COMMITTEE IV - TISSUE II

III. WEEK / 05 – 09 Mar 2018

<table>
<tr><th></th><th>Monday
05-Mar-2018</th><th>Tuesday
06-Mar-2018</th><th>Wednesday
07-Mar-2018</th><th>Thursday
08-Mar-2018</th><th>Friday
09-Mar-2018</th></tr>
<tr><td>09.00- 09.50</td><td colspan="2">Laboratory / Histology
Histology of Connective and Cartilage Tissue
Alev Cumbul & Aylin Yaba Uçar</td><td>Lecture
Glycerophospholipids, Sphingophospholipids
İnci Özden</td><td>Lecture
Histology of Bone Tissue; Ossification
Alev Cumbul</td><td>Lecture
Frequency Distributions
E. Çiğdem Altunok</td><td>Independent Learning</td></tr>
<tr><td>10.00- 10.50</td><td>Group A
Independent Learning</td><td>Group B</td><td>Lecture
Glycerophospholipids, Sphingophospholipids
İnci Özden</td><td>Lecture
Development of the Axial Skeleton and Limb
Alev Cumbul</td><td>Lecture
Graphics
E. Çiğdem Altunok</td><td>Lecture
Amino Acids, General Features, Classification
Burak Dalan</td></tr>
<tr><td>11.00- 11.50</td><td rowspan="2">Group A</td><td rowspan="2">Group B
Independent Learning</td><td>Lecture
Mechanical Properties of Biomaterials
Bilge Güvenç Tuna</td><td>Lecture
Isoprene Derivative, Steroids, Bile Acids
İnci Özden</td><td>Behavioral Science / Lecture
The Biological Bases of Behavior
Instructors</td><td>Lecture
Amino Acids, General Features, Classification
Burak Dalan</td></tr>
<tr><td>12.00- 12.50</td><td>Independent Learning</td><td>Lecture
Isoprene Derivatives, Steroids, Bile Acids
İnci Özden</td><td>Behavioral Science / Lecture
The Biological Bases of Behavior
Instructors</td><td>Lecture
Stress-Strain, Stiffness
Bilge Güvenç Tuna</td></tr>
<tr><td>13.00- 13.50</td><td colspan="2">Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td></tr>
<tr><td>14.00- 14.50</td><td colspan="2" rowspan="2">Common Compulsory Course
Turkish Language & Literature
Bedri Selimhocaoğlu</td><td rowspan="2">Common Compulsory Course
Anatomical Drawing
Refik Aziz</td><td>Lecture
Histology of Nerveous Tissue: General Specification
Aylin Yaba Uçar</td><td rowspan="2">ELECTIVE WEEK IV</td><td rowspan="2">Independent Learning</td><td>Lecture
Eicosanoids
İnci Özden</td></tr>
<tr><td>15.00- 15.50</td><td>Lecture
Histology of Nerveous Tissue: Neuron Types
Aylin Yaba Uçar</td><td>Lecture
Eicosanoids
İnci Özden</td></tr>
<tr><td>16.00- 16.50</td><td colspan="2">Lecture
Muscles of the Hand
Erdem Söztutar</td><td rowspan="2">Common Compulsory Course
Ataturk's Principles & History of Modern Turkey
Davut Ekşi</td><td>Laboratory / Anatomy
Muscles of the Hand
Erdem Söztutar
Group A
Independent Learning | Group B</td><td rowspan="2">Independent Learning</td><td rowspan="2">ELECTIVE WEEK IV</td><td>Lecture
Brachial Plexus
Erdem Söztutar</td></tr>
<tr><td>17.00-17.50</td><td colspan="2">Lecture
Muscles of the Hand
Erdem Söztutar</td><td>Group A | Group B
Independent Learning</td><td>Lecture
Brachial Plexus
Erdem Söztutar</td></tr>
</table>

COMMITTEE IV - TISSUE II

IV. WEEK / 12 – 16 Mar 2018

<table>
<tr><th></th><th colspan="2">Monday
12-Mar-2018</th><th colspan="3">Tuesday
13-Mar-2018</th><th>Wednesday
14-Mar-2018</th><th colspan="2">Thursday
15-Mar-2018</th><th>Friday
16-Mar-2018</th></tr>
<tr><td>09.00- 09.50</td><td colspan="2">Laboratory / Histology
Histology of Bone and Nervous Tissue
Alev Cumbul & Aylin Yaba Uçar</td><td colspan="3">Lecture
Elasticity
Bilge Güvenç Tuna</td><td rowspan="10">PHYSICIANS’ DAY
&
WHITE COAT CEREMONY</td><td colspan="2">Lecture
Primary, Secondary, Tertiary, Quaternary Structures of Proteins
Burak Dalan</td><td>Lecture
Shear stress, Poisson’s Law
Bilge Güvenç Tuna</td></tr>
<tr><td>10.00- 10.50</td><td>Group A</td><td>Group B
Independent Learning</td><td colspan="3">Clinical Skills Learning
ICP I
Patient-Doctor Communication Skills, General Approach
Özlem Tanrıöver & Arzu Akalın</td><td colspan="2">Lecture
Primary, Secondary, Tertiary, Quaternary Structures of Proteins
Burak Dalan</td><td>Lecture
Glycoproteins, Collagen, α-keratin
Burak Dalan</td></tr>
<tr><td>11.00- 11.50</td><td rowspan="2">Group A
Independent Learning</td><td rowspan="2">Group B</td><td>Group A and B
Independent Learning</td><td>Group C</td><td>Group D
Sci. Project Small Group Studies</td><td colspan="2">Behavioral Science / Lecture
Sleep and Sleep Disorders
Instructors</td><td>Lecture
Glycoproteins, Collagen, α-keratin
Burak Dalan</td></tr>
<tr><td>12.00- 12.50</td><td colspan="2">Behavioral Science / Lecture
Substance Releated Disorders
Instructors</td><td>Lunch Break</td></tr>
<tr><td>13.00- 13.50</td><td colspan="2">Lunch Break</td><td colspan="3">Lunch Break</td><td colspan="2">Lunch Break</td><td>Lecture
Biology of Oxidative Stress
Turgay İsbir</td></tr>
<tr><td>14.00- 14.50</td><td colspan="2" rowspan="2">Common Compulsory Course
Turkish Language & Literature
Bedri Selimhocaoğlu</td><td colspan="3" rowspan="2">Common Compulsory Course
Anatomical Drawing
Refik Aziz</td><td rowspan="2">ELECTIVE WEEK V</td><td rowspan="2">Independent Learning</td><td>Lecture
Biology of Oxidative Stress
Turgay İsbir</td></tr>
<tr><td>15.00- 15.50</td><td>Lecture
Measures of Central Tendencies
E. Çiğdem Altunok</td></tr>
<tr><td>16.00- 16.50</td><td colspan="2">Lecture
Nerves of the Upper Limb
Erdem Söztutar</td><td colspan="3" rowspan="2">Common Compulsory Course
Ataturk's Principles & Hıstory of Modern Turkey
Davut Ekşi</td><td rowspan="2">Independent Learning</td><td rowspan="2">ELECTIVE WEEK V</td><td>Lecture
Frequency Distributions
E. Çiğdem Altunok</td></tr>
<tr><td>17.00-17.50</td><td colspan="2">Lecture
Vasculature of the Upper Limb
Erdem Söztutar</td><td>Independent Learning</td></tr>
</table>

COMMITTEE IV - TISSUE II
V. WEEK / 19 Mar– 23 Mar 2018

	Monday 19-Mar-2018	Tuesday 20-Mar-2018	Wednesday 21-Mar-2018	Thursday 22-Mar-2018	Friday 23-Mar-2018
09.00- 09.50	**Independent Learning**	**Lecture** Histology of Nerveous Tissue: Glia Types *Aylin Yaba Uçar*	**Lecture** Nucleotides *İnci Özden*	**Lecture** Enzymes, Kinetics,Regulatory Enzymes *İnci Özden*	**Laboratory / Med. Biology** Oxidative Stress and Antioxidant System *Turgay İsbir* *Soner Doğan & Deniz Kıraç*
10.00- 10.50		**Clinical Skills Learning ICP I** Patient-Doctor Communication Skills General Approach *Özlem Tanrıöver & Arzu Akalın*	**Lecture** Nucleotides *İnci Özden*	**Lecture** Enzymes, Kinetics,Regulatory Enzymes *İnci Özden*	**Group A** / **Group B Independent Learning** / **Group C Independent Learning**
11.00- 11.50	**Laboratory / Anatomy** Brachial Plexus, Nerves, and Vasculature of The Upper Limb *Erdem Söztutar*	**Group A Sci. Project Small Group Studies** / **Group B and C Independent Learning** / **Group D**	**Lecture** Measures of Central Tendencies *E.Çiğdem Altunok*	**Behavioral Science / Lecture** Psychoanalythic Theory and Defense Mechanism *Instructors*	**Group A Independent Learning** / **Group B** / **Group C Independent Learning**
12.00- 12.50	**Group A** / **Group B Independent Learning**		**Lecture** Measures of Central Tendencies *E.Çiğdem Altunok*	**Behavioral Science / Lecture** Psychoanalythic Theory and Defense Mechanism *Instructors*	
13.00- 13.50	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**
14.00- 14.50	**Common Compulsory Course** Turkish Language & Literature *Bedri Selimhocaoğlu*	**Common Compulsory Course** Anatomical Drawing *Refik Aziz*	**Lecture** Muscles of The Pelvic Girdle (Gluteal Region) *Erdem Söztutar*	**ELECTIVE WEEK VI** / **Independent Learning**	**Laboratory / Med. Biology** Oxidative Stress and Antioxidant System *Turgay İsbir* *Soner Doğan & Deniz Kıraç*
15.00- 15.50			**Lecture** Muscles of The Pelvic Girdle *Erdem Söztutar*		**Group A Independent Learning** / **Group B Independent Learning** / **Group C**
16.00- 16.50	**Lecture** Muscles of the Thigh *Erdem Söztutar*	**Common Compulsory Course** Ataturk's Principles & Hıstory of Modern Turkey *Davut Ekşi*	**Laboratory / Anatomy** Muscles of the Pelvic Girdle *Erdem Söztutar*	**Independent Learning** / **ELECTIVE WEEK VI**	**Lecture** Measures of Central Dispersion *E.Çiğdem Altunok*
17.00-17.50	**Lecture** Muscles of the Thigh *Erdem Söztutar*		**Group A** / **Group B Independent Learning**		**Lecture** Measures of Central Dispersion *E.Çiğdem Altunok*

COMMITTEE IV - TISSUE II

VI. WEEK / 26 – 30 Apr 2018

	Monday 26-Mar-2018	Tuesday 27-Mar-2018	Wednesday 28-Mar-2018	Thursday 29-Mar-2018	Friday 30-Mar-2018
09.00- 09.50	**Laboratory / Histology Review Sesion** *Alev Cumbul & Aylin Yaba Uçar* **Group A and Group B**	**Independent Learning**	**Independent Learning**	**Lecture** Innate Immunity *Gülderen Yanıkkaya Demirel*	**Lecture** Rates and Ratios *E.Çiğdem Altunok*
10.00- 10.50		**Clinical Skills Learning ICP I** Patient-Doctor Communication Skills Using SPs *Güldal İzbırak & Arzu Akalın*	**Lecture** International Enzyme Commission Classification of Enzymes *İnci Özden*	**Lecture** Innate Immunity *Gülderen Yanıkkaya Demirel*	**Lecture** Standardization of Disease Rates *E.Çiğdem Altunok*
11.00- 11.50	**Laboratory / Anatomy** Muscles of the Thigh *Erdem Söztutar* **Group A** / **Group B Independent Learning**	**Group A** / **Group C Sci. Project Small Group Studies** / **Group B and D Independent Learning**	**Lecture** International Enzyme Commission Classification of Enzymes *İnci Özden*	**Behavioral Science / Lecture** Learning Theory *Instructors*	**Lecture** Muscles of the Leg *Erdem Söztutar*
12.00- 12.50	**Group A Independent Learning** / **Group B**		**Lunch Break**	**Behavioral Science / Lecture** Perception *Instructors*	**Lecture** Muscles of the Leg *Erdem Söztutar*
13.00- 13.50	**Lunch Break**	**Lunch Break**	**Biochemistry/ Lecture** Spectrophotometry *Jale Çoban & Müge Kopuz*	**Lunch Break**	**Lunch Break**
14.00- 14.50	**Common Compulsory Course** Turkish Language & Literature *Bedri Selimhocaoğlu*	**Common Compulsory Course** Anatomical Drawing *Refik Aziz*	**Laboratory / Biochemistry** Spectrophotometry *Jale Çoban & Müge Kopuz*	**ELECTIVE WEEK VII** / **Independent Learning**	**Laboratory / Biochemistry** Spectrophotometry *Jale Çoban & Müge Kopuz*
15.00- 15.50					**Group A Independent Learning** / **Group B** / **Group C Independent Learning**
16.00- 16.50	**Independent Learning**	**Common Compulsory Course** Ataturk's Principles & History of Modern Turkey *Davut Ekşi*	**Group A** / **Group B Independent Learning** / **Group C Independent Learning**	**Independent Learning** / **ELECTIVE WEEK VII**	**Group A Independent Learning** / **Group B Independent Learning** / **Group C**
17.00-17.50			**Independent Learning**		

COMMITTEE IV - TISSUE II
VII. WEEK / 02 – 06 Apr 2018

	Monday 02-Apr-2018	Tuesday 03-Apr-2018	Wednesday 04-Apr-2018	Thursday 05-Apr-2018	Friday 06-Apr-2018
09.00- 09.50	**Independent Learning**	**Independent Learning**	**Lecture** Adaptive Immunity *Gülderen Yanıkkaya Demirel*	**Independent Learning**	**Independent Learning**
10.00- 10.50	**Laboratory / Anatomy** Muscles of the Leg *Erdem Söztutar* **Group A Independent Learning** / **Group B**	**Clinical Skills Learning** **ICP I** Patient-Doctor Communication Skills Using SPs *Güldal İzbırak & Arzu Akalın*	**Lecture** Adaptive Immunity *Gülderen Yanıkkaya Demirel*	**Lecture** Oxidative Decarboxylation *İnci Özden*	
11.00- 11.50	**Group A** / **Group B Independent Learning**	**Group C and D Independent Learning** / **Group B** / **Group A Sci. Project Small Group Studies**	**Lecture** ATP Production, Substrate Level Phosphorylation, Oxidative Phosphorylation *İnci Özden*	**Behavioral Science / Lecture** Perception *Instructors*	
12.00- 12.50	**Independent Learning**		**Lecture** ATP Production, Substrate Level Phosphorylation, Oxidative Phosphorylation *İnci Özden*	**Behavioral Science / Lecture** Emotion *Instructors*	
13.00- 13.50	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**	
14.00- 14.50	**Common Compulsory Course** Turkish Language & Literature *Bedri Selimhocaoğlu*	**Common Compulsory Course** Anatomical Drawing *Refik Aziz*	**Discussion (Large Group)** Overview *Erdem Söztutar*	**ELECTIVE WEEK VIII** / **Independent Learning**	
15.00- 15.50			**Discussion (Large Group)** Overview *Erdem Söztutar*		
16.00- 16.50	**Lecture** Muscles of the Foot *Erdem Söztutar*	**Common Compulsory Course** Ataturk's Principles & History of Modern Turkey *Davut Ekşi*	**Laboratory / Anatomy** Muscles of the Foot *Erdem Söztutar*	**Independent Learning** / **ELECTIVE WEEK VIII**	
17.00-17.50	**Lecture** Muscles of the Foot *Erdem Söztutar*		**Group A and Group B**		

COMMITTEE IV - TISSUE II
VIII. WEEK / 09 – 13 Apr 2018

	Monday 09-Apr-2018	Tuesday 10-Apr-2018	Wednesday 11-Apr-2018	Thursday 12-Apr-2018		Friday 13-Apr-2018
09.00- 09.50	**Assessment Session** **Histology** (Practical Exam)	**Independent Learning**	**Assessment Session** Medical Biology (Practical Exam)	**Independent Learning**		**Independent Learning**
10.00- 10.50						**Assessment Session** **Committee IV** (MCQ)
11.00- 11.50	**Assessment Session** Biostatistics (Writing Exam-MEQ)		**Assessment Session** Anatomy (Practical Exam)			
12.00- 12.50						
13.00- 13.50	**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**		**Lunch Break**
14.00- 14.50	**Common Compulsory Course** Turkish Language & Literature *Bedri Selimhocaoğlu*	**Common Compulsory Course** Anatomical Drawing *Refik Aziz*	**Independent Learning**	**ELECTIVE WEEK IX**	**Independent Learning**	**Program Evaluation Session** Review of the Exam Questions, Evaluation of the Committee IV Program *Head of Committee*
15.00- 15.50						
16.00- 16.50	**Independent Learning**	**Common Compulsory Course** Ataturk's Principles & Hıstory of Modern Turkey *Davut Ekşi*		**Independent Learning**	**ELECTIVE WEEK IX**	**Independent Learning**
17.00-17.50						

COMMITTEE V - ENERGY AND METABOLISM

DISTRIBUTION of LECTURE HOURS

April 16, 2018 - May 25, 2018

COMMITTEE DURATION: 6 WEEKS

MED 104	BASIC MEDICAL SCIENCES I	THEO.	PRAC.	PBL	TOTAL
	DISCIPLINE	**78**	**13**	**6**	**97**
	ANATOMY	14	2Grx6H		20
	BEHAVIORAL SCIENCES	10	0		10
	BIOCHEMISTRY	22	3Grx2H		24
	BIOSTATISTICS	12	3Grx2H		14
	HISTOLOGY and EMBRYOLOGY	9	2Grx3H		12
	MEDICAL BIOLOGY	7	0		7
	IMMUNOLOGY	4	0		4

MED 103	**ANATOMICAL DRAWING**	0	6		6
HTR 301-302	**ATATURK'S PRINCIPLES & HISTORY OF MODERN TURKEY**	6	0		6
TKL 201-202	**TURKISH LANGUAGE & LITERATURE**	6	0		6
	ELECTIVE COURSE	10	0		10

	TOTAL	**100**	**19**	**6**	**125**

Coordination Committee	Head	Erdem Söztutar, MD, Assist. Prof.
	Secretary	Oya ALAGÖZ, Assist. Prof.
	Member	Alev CUMBUL, PhD, Assist. Prof.
	Member	E. Çiğdem ALTUNOK, PhD, Assist. Prof.

COMMITTEE V - ENERGY AND METABOLISM
LECTURERS

BASIC MEDICAL SCIENCES I DISCIPLINE	FACULTY
ANATOMY	Erdem SÖZTUTAR, MD, Assist. Prof
BEHAVIORAL SCIENCES	
BIOCHEMISTRY	İnci ÖZDEN, PhD, Prof.
BIOSTATISTICS	E. Çiğdem ALTUNOK, PhD, Assist. Prof.
HISTOLOGY & EMBRYOLOGY	Alev CUMBUL, PhD, Assist. Prof.
	Aylin Yaba UÇAR, PhD, Assist. Prof.
IMMUNOLOGY	Gülderen YANIKKAYA DEMİREL, MD, PhD, Assoc. Prof.
MEDICAL BIOLOGY	Turgay İSBİR, PhD, Prof.
	Soner DOĞAN, PhD, Assoc. Prof.
	Deniz KIRAÇ, PhD, Assist. Prof.
INTRODUCTION TO CLINICAL PRACTICE I (ICP-I)	Güldal İZBIRAK, MD, Assoc. Prof.
	Özlem TANRIÖVER, MD, Assoc. Prof.
	Arzu AKALIN, MD, Assist. Prof.
ANATOMICAL DRAWING	Refik AZİZ, PhD, Assist. Prof.
ATATURK'S PRINCIPLES & HISTORY OF MODERN TURKEY	Davut EKŞİ, PhD, Instructor
TURKISH LANGUAGE & LITERATURE	Bedri SELİMHOCAOĞLU, Instructor

COMMITTEE V - ENERGY AND METABOLISM

AIMS AND LEARNING OBJECTIVES

AIM

1.0 ***to convey*** basic terms and concepts of medical biology, biostatistics, embryology, histology, immunology, biochemistry, behavioral sciences, and medical biology.
2.0 ***to convey*** knowledge on basic energy mechanisms of the body.
3.0 ***to convey*** knowledge on process from zygote to formation of organs***.***
4.0 ***to convey*** knowledge on system-specific (lower extremities, muscles, vascular and nervous innervations) anatomy and its clinical applications.

LEARNING OBJECTIVES

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

1.0. describe the anatomical features, vessels, nervous innervations of lower extremities.
2.0. describe the clinical implications of the anatomical features of the lower limb.
3.0. explain psychodynamic and humanistic approaches to personality development.
4.0. define abnormality; compare and contrast psychological disorders on the five-axes DSM system.
5.0. explain ATP synthesis in human organism and enzymatic system that this synthesis occurs by.
6.0. list enzymes involved in blood clotting and their functions.
7.0. explain glycogen and glucose metabolisms**.**
8.0. for transport mechanisms in biological membranes;
8.1. the permeability of biological membranes
8.2. explain its correlation with ATP usage**.**
9.0. explain basic terms and concepts of epidemiology**.**
10.0. list methods of research planning and collecting data.
11.0. list probability distributions.
12.0. list developmental events respectively from somitogenesis to nerulation
13.0. list developmental events respectively from organogenesis to parturition
14.0. explain developmental link between embryonic layers and tissues that form organs.
15.0. describe contraception and assisted reproductive techniques.
16.0. associate the relation with congenital abnormalities and developmental processes.
17.0. define the features of mitochondrial genome and mutated mitochondrial genes.
18.0. define the basics of immune response
19.0. explain case scenario related basic medical science topics in a clinical context.

COMMITTEE V - ENERGY AND METABOLISM

COMMITTEE ASSESSMENT MATRIX

LEARNING OBJECTIVES	LECTURER / INSTRUCTOR	DISTRUBITION of MCQ			
		CE	FE	IE	TOTAL
1.0, 2.0	Dr. E. Söztutar	18	7	7	32
3.0, 4.0	Behavioral Science	13	4	4	21
5.0 - 8.0	Dr. İ. Özden	28	10	10	48
9.0, 11.0	Dr. Ç. Altunok	-	6	6	12
12.0 - 16.0	Dr. A. Cumbul	11	4	4	19
12.0 - 16.0	Dr. A. Yaba Uçar				
17.0	Dr. T. İsbir	9	3	3	15
18.0	Dr. G. Yarikkaya Demirel	5	2	2	9
19.0	PBL Scenario	1			1
	TOTAL	**85**	**36/200#**	**36/200#**	**157**

LEARNING OBJECTIVES	DISCIPLINE	DISTRUBITION of MEQ*POINTS
		CE
12.0,13.0	BIOSTATISTICS	15
	TOTAL	**15**

LEARNING OBJECTIVES	DISCIPLINE	DISTRUBITION of LAB POINTS
		LPE
1.0 - 2.0	ANATOMY	60
5.0 - 8.0	BIOCHEMISTRY	20
12.0 - 16.0	HISTOLOGY & EMBRYOLOGY	20
	TOTAL	**100**

Total number of MCQs are 90 (each question has equal value)
Total value of LPE is equal to 100 points
CS = 95% of [90% CE (MCQ+MEQ) + 10% (LPE)] + 5% of PBL-P

#In FE and ICE, **37** out of 200 MCQs will be from this Committee (Each question has equal value).

Abbreviations:
MCQ: Multiple Choice Question
MEQ: Modified Essay Questions * Biostatistics exam will be given separately before the committee exam date.
LPE: Practical Lecture Evaluation
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam
PBL-P: Evaluation of PBL Student's Performance

COMMITTEE V-ENERGY AND METABOLISM

I. WEEK / 16 – 20 Apr 2018

<table>
<tr><th></th><th>Monday
16-Apr-2018</th><th>Tuesday
17-Apr-2018</th><th>Wednesday
18-Apr-2018</th><th colspan="2">Thursday
19-Apr-2018</th><th>Friday
20-Apr-2018</th></tr>
<tr><td>09.00- 09.50</td><td rowspan="3">PBL Session</td><td>Introductory Session
Introduction to Committee V
Secretary of Committee V</td><td>Lecture
Somitogenesis; Mesoderm Organization
Alev Cumbul</td><td colspan="2">Lecture
Digestion and Absorption of Carbohydrates
İnci Özden</td><td rowspan="3">PBL Session</td></tr>
<tr><td>10.00- 10.50</td><td>Lecture
Genome of Mithocondria
Turgay İsbir</td><td>Lecture
Neurulation; Neuroectoderm Organization
Alev Cumbul</td><td colspan="2">Lecture
Digestion and Absorption of Carbohydrates
İnci Özden</td></tr>
<tr><td>11.00- 11.50</td><td>Lecture
Transport Through Biological Membranes
İnci Özden</td><td>Lecture
Transport Through Biological Membranes
İnci Özden</td><td colspan="2">Behavioral Science / Lecture
Culture and Illness
Instructors</td></tr>
<tr><td>12.00- 12.50</td><td>Independent Learning</td><td>Lecture
Transport Through Biological Membranes
İnci Özden</td><td>Lecture
Transport Through Biological Membranes
İnci Özden</td><td colspan="2">Behavioral Science / Lecture
Culture and Illness
Instructors</td><td>Independent Learning</td></tr>
<tr><td>13.00- 13.50</td><td>Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td><td colspan="2">Lunch Break</td><td>Lunch Break</td></tr>
<tr><td>14.00- 14.50</td><td rowspan="2">Common Compulsory Course
Turkish Language & Literature
Bedri Selimhocaoğlu</td><td rowspan="2">Common Compulsory Course
Anatomical Drawing
Refik Aziz</td><td rowspan="4">Independent Learning</td><td rowspan="2">ELECTIVE WEEK X</td><td rowspan="2">Independent Learning</td><td>Lecture
Theoretical Distributions
E. Çiğdem Altunok</td></tr>
<tr><td>15.00- 15.50</td><td>Lecture
Theoretical Distributions
E. Çiğdem Altunok</td></tr>
<tr><td>16.00- 16.50</td><td>Lecture
Cervical Muscles and Triangles
Erdem Söztutar</td><td rowspan="2">Common Compulsory Course
Ataturk's Principles & History of Modern Turkey
Davut Ekşi</td><td rowspan="2">Independent Learning</td><td rowspan="2">ELECTIVE WEEK X</td><td colspan="3">Laboratory / Biostatistics
Basic Statistical Calculations on Excel
E. Çiğdem Altunok</td></tr>
<tr><td>17.00-17.50</td><td>Lecture
Cervical Muscles and Triangles
Erdem Söztutar</td><td>Group A</td><td>Group B Independent Learning</td><td>Group C Independent Learning</td></tr>
</table>

COMMITTEE V - ENERGY AND METABOLISM
II. WEEK / 23-27 April 2018

	Monday 23-Apr-2018	Tuesday 24-Apr-2018	Wednesday 25-Apr-2018	Thursday 26-Apr-2018	Friday 27-Apr-2018
09.00- 09.50	National Holiday	**Independent Learning**	**Lecture** Muscles of the Head and Scalp *Erdem Söztutar*	**Lecture** Folding and Angiogenesis *Alev Cumbul*	**Lecture** Genome of Mithocondria *Turgay İsbir*
10.00- 10.50		**Clinical Skills Learning** **ICP I** Patient-Doctor Communication Skills Using SPs *Güldal İzbırak & Arzu Akalın*	**Lecture** Muscles of the Head and Scalp *Erdem Söztutar*	**Lecture** Organogenesis & Fetal Periods *Aylin Yaba Uçar*	**Lecture** Genome of Mithocondria *Turgay İsbir*
11.00- 11.50		**Group A and B Independent Learning** / **Group C** / **Group D Sci. Project Small Group Studies**	**Lecture** Glycogenesis *İnci Özden*	**Behavioral Science / Lecture** Human Sexuality *Instructors*	**Lecture** Probability *E.Çiğdem Altunok*
12.00- 12.50			**Lecture** Glycogenesis *İnci Özden*	**Behavioral Science / Lecture** Violence and Abuse *Instructors*	**Lecture** Probability *E.Çiğdem Altunok*
13.00- 13.50		**Lunch Break**	**Lunch Break**	**Lunch Break**	**Lunch Break**
14.00- 14.50		**Common Compulsory Course** Anatomical Drawing *Refik Aziz*	**Laboratory / Anatomy** Cervical Muscles and Triangles *Erdem Söztutar* **Group A Independent Learning** / **Group B**	**Laboratory / Anatomy** Cervical Plexus, Nerves and Vasculature Of The Neck *Erdem Söztutar* **Group A** / **Group B Independent Learning**	**Lecture** Glycogenolysis *İnci Özden*
15.00- 15.50			**Group A** / **Group B Independent Learning**	**Group A Independent Learning** / **Group B**	**Lecture** Glycogenolysis *İnci Özden*
16.00- 16.50		**Common Compulsory Course** Ataturk's Principles & History of Modern Turkey *Davut Ekşi*	**Lecture** Cervical Plexus *Erdem Söztutar*	**Independent Learning**	**Laboratory / Biostatistics** Basic Statistical Calculations on Excel *E. Çiğdem Altunok*
17.00-17.50			**Lecture** Nerves and Vasculature of the Neck *Erdem Söztutar*		**Group A Independent Learning** / **Group B** / **Group C Independent Learning**

COMMITTEE V - ENERGY AND METABOLISM

III. WEEK / 30 Apr – 04 May 2018

	Monday 30-Apr-2018	Tuesday 01-May-2018	Wednesday 02-May-2018	Thursday 03-May-2018	Friday 04-May-2018
09.00- 09.50	**Independent Learning**	**Labor's Day**	**Lecture** Twins and Partrution *Aylin Yaba Uçar*	**Lecture** Glicolysis *İnci Özden*	**Independent Learning**
10.00- 10.50			**Lecture** Regulation of Glycogenesis and Glycogenolysis *İnci Özden*	**Lecture** Glicolysis *İnci Özden*	**Lecture** Theoretical Distributions *E. Çiğdem Altunok*
11.00- 11.50			**Lecture** Regulation of Glycogenesis and Glycogenolysis *İnci Özden*	**Behavioral Science / Lecture** The Physician-Patient Relationship *Instructors*	**Lecture** Theoretical Distributions *E.Çiğdem Altunok*
12.00- 12.50	**Lunch Break**		**Lunch Break**	**Behavioral Science / Lecture** The Physician-Patient Relationship *Instructors*	**Lunch Break**
13.00- 13.50	**Lecture** Extraembryoner Structures: Placenta, Chorion, Amnion *Aylin Yaba Uçar*		**Laboratory / Anatomy** Muscles of the Head and Scalp *Erdem Söztutar*	**Lunch Break**	**Laboratory / Anatomy** Nerves And Vasculature of the Head *Erdem Söztutar*
			Group A Independent Learning / **Group B**		**Group A** / **Group B Independent Learning**
14.00- 14.50	**Common Compulsory Course** Turkish Language & Literature *Bedri Selimhocaoğlu*		**Group A** / **Group B Independent Learning**	**ELECTIVE WEEK XI** / **Independent Learning**	**Group A Independet Learning** / **Group B**
15.00- 15.50			**Clinical Skills Learning** **ICP I** Patient-Doctor Communication Skills Using SPs *Güldal İzbırak & Arzu Akalın*		**Lecture** Biology of Energy and Energy Balance *Turgay İsbir*
16.00- 16.50	**Lecture** Nerves of the Head *Erdem Söztutar*		**Group A Sci. Project Small Group Studies** / **Group B and C Independent Learning** / **Group D**	**Independent Learning** / **ELECTIVE WEEK XI**	**Lecture** Biology of Energy and Energy Balance *Turgay İsbir*
17.00-17.50	**Lecture** Vasculature of The Head *Erdem Söztutar*				**Independent Learning**

COMMITTEE V - ENERGY AND METABOLISM
IV. WEEK / 07 – 11 May 2017

	Monday 07-May-2018		Tuesday 08-May-2018	Wednesday 09-May-2018	Thursday 10-May-2018		Friday 11-May-2018
09.00- 09.50	**Laboratory / Histology** Developing Human *Alev Cumbul & Aylin Yaba Uçar*		**Lecture** Diognostic Testing *E. Çiğdem Altunok*	**Independent Learning**	**Lecture** Cytokines and Immune Markers *Gülderen Yanıkkaya Demirel*		**Lecture** The Description of Epidemiology *E. Çiğdem Altunok*
10.00- 10.50	**Group A**	**Group B Independent Learning**	**Lecture** Diognostic Testing *E. Çiğdem Altunok*	**Lecture** Antigen-Antibody Reactions *Gülderen Yanıkkaya Demirel*	**Lecture** Signal Transduction in Immunity *Gülderen Yanıkkaya Demirel*		**Lecture** Sampling in Epidemiology *E. Çiğdem Altunok*
11.00- 11.50	**Group A Independent Learning**	**Group B**	**Lecture** Pentose Phosphate Pathway *İnci Özden*	**Lecture** Antigen-Antibody Reactions *Gülderen Yanıkkaya Demirel*	**Behavioral Science/Lecture** Legal and Ethical Issues in Medicine *Instructors*		**Lecture** Secondary Hemostasis, Procoagulation, Anticoagulation *İnci Özden*
12.00- 12.50			**Lecture** Pentose Phosphate Pathway *İnci Özden*	**Lecture** Muscles of the Thoracic Wall *Erdem Söztutar*	**Behavioral Science/Lecture** Legal and Ethical Issues in Medicine *Instructors*		**Lecture** Secondary Hemostasis, Procoagulation, Anticoagulation *İnci Özden*
13.00- 13.50	**Lunch Break**		**Lunch Break**	**Lunch Break**	**Lunch Break**		**Lunch Break**
14.00- 14.50	**Common Compulsory Course** Turkish Language & Literature *Bedri Selimhocaoğlu*		**Common Compulsory Course** Anatomical Drawing *Refik Aziz*	**Lecture** Biology of Life Span *Turgay İsbir*	**ELECTIVE WEEK XII**	**Independent Learning**	**Independent Learning**
15.00- 15.50				**Lecture** Biology of Life Span *Turgay İsbir*			
16.00- 16.50	**Independent Learning**		**Common Compulsory Course** Ataturk's Principles & History of Modern Turkey *Davut Ekşi*	**Independent Learning**	**Independent Learning**	**ELECTIVE WEEK XII**	
17.00-17.50							

COMMITTEE V - ENERGY AND METABOLISM
V. WEEK / 14 – 18 May 2018

	Monday 14-May-2018	Tuesday 15-May-2018	Wednesday 16-May-2018	Thursday 17-May-2018	Friday 18-May-2018
09.00- 09.50	**Laboratory / Histology** Review Sesion *Alev Cumbul & Aylin Yaba Uçar* — **Group A** / **Group B Independent Learning**	**Lecture** Muscles of the Abdominal Wall *Erdem Söztutar*	**Independent Learning**	**Independent Learning**	**Independent Learning**
10.00- 10.50	**Group A Independent Learning** / **Group B**	**Lecture** Muscles of the Abdominal Wall and Inguinal Canal *Erdem Söztutar*	**Lecture** Gluconeogenesis *İnci Özden*		**Laboratory / Biochemistry** Glucose Determination in Blood, Occult Blood in Feces, Bleeding Time *Jale Çoban & Müge Kopuz*
11.00- 11.50	**Independent Learning**	**Lecture** Asissted Reproductive Technology; Methods *Alev Cumbul*	**Lecture** Gluconeogenesis *İnci Özden*	**Behavioral Science / Lecture** Introduction to Psychopathology *Instructors*	**Group A** / **Group B Independent Learning** / **Group C Independent Learning**
12.00- 12.50	**Independent Learning**	**Independent Learning**	**Lunch Break**	**Behavioral Science / Lecture** Introduction to Psychopathology *Instructors*	**Lunch Break**
13.00- 13.50	**Lunch Break**	**Lunch Break**	**Lecture** Congenital Anomalies and Teratology *Alev Cumbul*	**Lunch Break**	**Laboratory / Biochemistry** Glucose Determination in Blood, Occult Blood In Feces, Bleeding Time *Jale Çoban & Müge Kopuz*
14.00- 14.50	**Lecture** İnfertility and Contraception *Aylin Yaba Uçar*	**Lecture** Fibrinolysis, Fibrinolytic and Antifibrinolytic Agents *İnci Özden*	**Lecture** Epidemiological Research Methods and Calculation of The Risk *E.Çiğdem Altunok*	**ELECTIVE WEEK XIII** / **Independent Learning**	**Group A Independent Learning** / **Group B** / **Group C Independent Learning**
15.00- 15.50	**Lecture** Epidemiological Research Methods *E.Çiğdem Altunok*	**Lecture** Fibrinolysis, Fibrinolytic and Antifibrinolytic Agents *İnci Özden*	**Lecture** Nerves and Vasculature of The Thoracic Wall *Erdem Söztutar*		**Group A Independent Learning** / **Group B Independent Learning** / **Group C**
16.00- 16.50	**Laboratory / Biostatistics** Basic Statistical Calculations in Excel *E.Çiğdem Altunok*	**Laboratory / Anatomy** Muscles of the Thoracic and Abdominal Wall *Erdem Söztutar* — **Group A** / **Group B Independent Learning**	**Laboratory / Anatomy** Nerves and Vasculature of The Thoracic Wall *Erdem Söztutar* — **Group A Independent Learning** / **Group B**	**Independent Learning** / **ELECTIVE WEEK XIII**	
17.00-17.50	**Group A Independent Learning** / **Group B Independent Learning** / **Group C**	**Group A Independent Learning** / **Group B**	**Group A** / **Group B Independent Learning**		**Independent Learning**

COMMITTEE V - ENERGY AND METABOLISM
VI. WEEK / 21-25 May 2018

<table>
<tr><th></th><th>Monday
21-May-2018</th><th>Tuesday
22-May-2018</th><th>Wednesday
23-May-2018</th><th colspan="2">Thursday
24-May-2018</th><th>Friday
25-May-2018</th></tr>
<tr><td>09.00- 09.50</td><td>Independent Learning</td><td>Independent Learning</td><td rowspan="4">Independent Learning</td><td colspan="2" rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td></tr>
<tr><td>10.00- 10.50</td><td>Discussions
(Large Group)
Overview
Erdem Söztutar</td><td rowspan="3">Assessment Session
Anatomy
(Practical Exam)</td></tr>
<tr><td>11.00- 11.50</td><td>Discussions
(Large Group)
Overview
Erdem Söztutar</td></tr>
<tr><td>12.00- 12.50</td><td>Independent Learning</td></tr>
<tr><td>13.00- 13.50</td><td>Lunch Break</td><td>Lunch Break</td><td>Lunch Break</td><td colspan="2">Lunch Break</td><td>Lunch Break</td></tr>
<tr><td>14.00- 14.50</td><td rowspan="4">Independent Learning</td><td rowspan="2">Assessment Session
Biostatistics
(Writing Exam-MEQ)</td><td rowspan="2">Assessment Session
Histology
(Practical Exam)</td><td rowspan="2">ELECTIVE
WEEK XIV</td><td rowspan="2">Independent
Learning</td><td rowspan="2">Assessment Session
Committee V
(MCQ)</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">Independen
t Learning</td><td rowspan="2">ELECTIVE
WEEK XIV</td><td rowspan="2">Program Evaluation Session
Review of the Exam Questions,
Evaluation of the Committee V Program
Head of Committee</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

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.

LIST OF STUDENT COUNSELING

STUDENT				COUNSELOR
	STUDENT NO	**NAME**	**SURNAME**	**NAME**
1	20170800110	SEYYED SHAHAB	ABOUTALEBI	PROF. DR. TURGAY İSBİR
2	20160800073	MEHMET DORUK	ACET	PROF. DR. TURGAY İSBİR
3	20170800086	İREM	AÇIKALIN	PROF. DR. TURGAY İSBİR
4	20170800119	KARDELEN	AKGÜN	PROF. DR. TURGAY İSBİR
5	20170800017	SHIRIN	ALANSARI	PROF. DR. TURGAY İSBİR
6	20170800073	BARTU	ALKIŞER	PROF. DR. TURGAY İSBİR
7	20170800092	DORUK	ARSLAN	PROF. DR. ECE GENÇ
8	20160800061	ELA	ASLANSOY	PROF. DR. ECE GENÇ
9	20160800046	İREM	AYDIN	PROF. DR. ECE GENÇ
10	20170800046	ALİ YAĞIZ	AYLA	PROF. DR. ECE GENÇ
11	20160800060	NİL BAŞAK	BAŞAK	PROF. DR. ECE GENÇ
12	20170800038	DURU	BAYKAL	PROF. DR. ECE GENÇ
13	20160800051	ANİSA	BEYAN	PROF. DR. ECE GENÇ
14	20160800086	BATUHAN	BİLGİN	PROF. DR. EROL SEZER
15	20170800001	CANDAN	BİRDAL	PROF. DR. EROL SEZER
16	20160800052	ÖZLEM	BURÇ	PROF. DR. EROL SEZER
18	20170800005	ÇAĞLA ZEHRA	BÜYÜKKOÇ	PROF. DR. EROL SEZER
19	20170800103	SUMEYYE	CAM	PROF. DR. EROL SEZER
20	20170800032	CEREN	CANŞE	PROF. DR. EROL SEZER
21	20170800107	ENİS	CEVRİOĞLU	PROF. DR. EROL SEZER
22	20170800002	SEDA	CEYLAN	PROF. DR. EROL SEZER
23	20160800055	ZEYNEP SERRA	COŞKUN	PROF. DR. EROL SEZER
24	20160800074	AYHAN	ÇELİKAYAK	PROF. DR. EROL SEZER
25	20170800048	İLAYDA TUANA	ÇETİN	PROF. DR. İNCİ ÖZDEN
26	20170800047	ZEYNEP	DAL	PROF. DR. İNCİ ÖZDEN
27	20170800054	ZEKERİYA ALP	DEMİRSOY	PROF. DR. İNCİ ÖZDEN
28	20160800039	GÖNÜL BERFİN	DENİZ	PROF. DR. İNCİ ÖZDEN
29	20170800025	KAĞAN	DİLEK	PROF. DR. İNCİ ÖZDEN
30	20170800058	SEÇİL NUR	DİNÇER	PROF. DR. İNCİ ÖZDEN
31	20170800096	ROZERİN EZGİ	DUMAN	DOÇ. DR. GÜLDEREN YANIKKAYA DEMİREL
32	20170800035	MERT	EGE	DOÇ. DR. GÜLDEREN YANIKKAYA DEMİREL
33	20170800037	GÜLİNA	EKMEN	DOÇ. DR. GÜLDEREN YANIKKAYA DEMİREL
34	20170800039	EBRAR CEMRE	ELMALI	DOÇ. DR. GÜLDEREN YANIKKAYA DEMİREL
35	20170800036	CEYDA	ERALP	DOÇ. DR. GÜLDEREN YANIKKAYA DEMİREL
36	20160800081	HAZAL	ERDEM	DOÇ. DR. GÜLDEREN YANIKKAYA DEMİREL
37	20170800087	ÇAĞLA	EREK	DOÇ. DR. GÜLDEREN YANIKKAYA DEMİREL
38	20170800060	ORHAN SELİM	ERGİN	DOÇ. DR. GÜLDEREN YANIKKAYA DEMİREL
39	20170800009	GÖZDE	ERĞUT	DOÇ. DR. ÇAĞATAY ACUNER
40	20170800055	BAŞAK SILA	ERYİĞİT	DOÇ. DR. ÇAĞATAY ACUNER
41	20170800026	DEREN	ESENCAN	DOÇ. DR. ÇAĞATAY ACUNER
42	20170800006	DAVID SINAN	ESENSOY	DOÇ. DR. ÇAĞATAY ACUNER

43	20170800057	ECE	EZELSOY	DOÇ. DR. ÇAĞATAY ACUNER
44	20170800028	BEGÜM	EZELSOY	DOÇ. DR. ÇAĞATAY ACUNER
45	20170800010	ALİ	FARUK	DOÇ. DR. ÇAĞATAY ACUNER
46	20170800030	EGE	FIRILOĞLU	DOÇ. DR. ÇAĞATAY ACUNER
47	20160800077	MELTEM	GEZERTAŞAR	DOÇ. DR. ÇAĞATAY ACUNER
48	20170800065	BURAK	GÖNÜLLÜ	DOÇ. DR. ÇAĞATAY ACUNER
49	20170800016	FIONA BERİL	GUNDERSON	DOÇ. DR. SONER DOĞAN
50	20170800071	IŞIL	GÜLSEREN	DOÇ. DR. SONER DOĞAN
51	20170800085	SEZİ CEREN	GÜNAY	DOÇ. DR. SONER DOĞAN
52	20160800043	İREM	GÜNER	DOÇ. DR. SONER DOĞAN
53	20160800036	MERT	GÜNEŞ	DOÇ. DR. SONER DOĞAN
54	20170800102	ÖYKÜ	GÜVEN	DOÇ. DR. SONER DOĞAN
55	20170800053	AHMET BERK	GÜZELCE	DOÇ. DR. SONER DOĞAN
56	20170800012	EDA	HASBAY	DOÇ. DR. ÖZLEM TANRIÖVER
57	20170800013	ELİZ	HASBAY	DOÇ. DR. ÖZLEM TANRIÖVER
58	20160800083	CEYHUN	HAZIROĞLU	DOÇ. DR. ÖZLEM TANRIÖVER
59	20170800059	SELİN	İSMAİLOĞLU	DOÇ. DR. ÖZLEM TANRIÖVER
60	20170800095	UMUT	KARAÇAM	DOÇ. DR. ÖZLEM TANRIÖVER
61	20170800089	DİLAN	KARAÇAM	DOÇ. DR. ÖZLEM TANRIÖVER
62	20160800038	TUNAHAN	KARAÇOBAN	YRD. DOÇ. DR. ÇİĞDEM ALTUNOK
63	20170800080	EKİN	KARAGÖLENT	DOÇ. DR. MEHTAP KAÇAR
64	20170800029	CEREN	KARCEBAŞ	DOÇ. DR. ÖZLEM TANRIÖVER
65	20170800061	MAİDE	KARGILI	DOÇ. DR. MEHTAP KAÇAR
66	20170800069	BEGÜM	KAŞ	YRD. DOÇ. DR. ARZU AKALIN
67	20170800019	ALP	KAVAKLIOĞLU	DOÇ. DR. MEHTAP KAÇAR
68	20160800078	CEREN NAZ	KAVLAK	DOÇ. DR. MEHTAP KAÇAR
69	20170800067	HELİN	KAYA	DOÇ. DR. MEHTAP KAÇAR
70	20160800022	SERAY	KAYMAKCI	DOÇ. DR. MEHTAP KAÇAR
71	20170800011	AMAL	KERDJADJ	DOÇ. DR. MEHTAP KAÇAR
72	20170800063	SARP	KOCA	YRD. DOÇ. DR. DENİZ KIRAÇ
73	20170800068	NAZLI	KOCAOĞLU	YRD. DOÇ. DR. DENİZ KIRAÇ
74	20160800089	EYLÜL	KOÇ	YRD. DOÇ. DR. DENİZ KIRAÇ
75	20160800072	METE	KORKMAZ	YRD. DOÇ. DR. DENİZ KIRAÇ
76	20170800070	ZEYNEP	KÖFTECİ	YRD. DOÇ. DR. DENİZ KIRAÇ
77	20170800084	DENİZ	KÖSE	YRD. DOÇ. DR. DENİZ KIRAÇ
78	20160800056	DUYGU	KURT	YRD. DOÇ. DR. ALEV CUMBUL
79	20170800083	ALİ TAN	KÜÇÜKBASMACI	YRD. DOÇ. DR. ALEV CUMBUL
80	20150800064	BÜŞRA	KÜÇÜKYILDIZ	YRD. DOÇ. DR. ALEV CUMBUL
81	20160800065	FADİME	MAN	YRD. DOÇ. DR. ALEV CUMBUL
82	20170800049	KAAN	MANDIRACI	YRD. DOÇ. DR. ALEV CUMBUL
83	20160800067	SUDE	MENEKŞE	YRD. DOÇ. DR. ALEV CUMBUL
84	20170800091	ECEM	MEŞECİ	YRD. DOÇ. DR. SERDAR ÖZDEMİR
85	20170800105	FARHİA	MOHAMED MURSAL	YRD. DOÇ. DR. SERDAR ÖZDEMİR
86	20170800074	NEDİ	MOTRO	YRD. DOÇ. DR. SERDAR ÖZDEMİR
87	20170800114	NEDA	MUMCU	YRD. DOÇ. DR. SERDAR ÖZDEMİR
88	20170800066	ECE	MUTLUAY	YRD. DOÇ. DR. SERDAR ÖZDEMİR
89	20170800004	ASENA	NUHOĞLU	YRD. DOÇ. DR. SERDAR ÖZDEMİR

90	20160800041	IŞIL	OLGUN	YRD. DOÇ. DR. SERDAR ÖZDEMİR
91	20170800100	ZEYNEP	ORDUSEVEN	YRD. DOÇ. DR. SERDAR ÖZDEMİR
92	20160800068	ONUR	ORHAN	YRD. DOÇ. DR. BİLGE GÜVENÇ TUNA
93	20170800120	RAWAN	OSMAN	YRD. DOÇ. DR. BİLGE GÜVENÇ TUNA
94	20160800066	CANSU	ÖLMEZ	YRD. DOÇ. DR. BİLGE GÜVENÇ TUNA
95	20160800102	TALHA	ÖNER	YRD. DOÇ. DR. BİLGE GÜVENÇ TUNA
96	20170800109	FULYA	ÖNÜGÖR	YRD. DOÇ. DR. BİLGE GÜVENÇ TUNA
97	20170800062	TUTKU NAZ	ÖZDEMİR	YRD. DOÇ. DR. BİLGE GÜVENÇ TUNA
98	20170800072	ŞEVVAL ÖZLEM	ÖZEL	YRD. DOÇ. DR. BİLGE GÜVENÇ TUNA
99	20170800051	ECE	ÖZEL	YRD. DOÇ. DR. ARZU AKALIN
100	20170800078	SELAHATTİN ALP	ÖZKÖK	YRD. DOÇ. DR. ARZU AKALIN
101	20170800043	DEMİR CAN	PATA	YRD. DOÇ. DR. ARZU AKALIN
102	20160800071	SAİT EGEMEN	PEKŞEN	YRD. DOÇ. DR. ARZU AKALIN
103	20170800050	GÖKSU	SAYGILI	YRD. DOÇ. DR. ARZU AKALIN
104	20160800047	ALP	SEÇER	YRD. DOÇ. DR. ARZU AKALIN
105	20170800081	ÇAĞLA	SELÇUK	YRD. DOÇ. DR. ARZU AKALIN
106	20160800009	MEHMET ALİ	SERDAROĞLU	DOÇ. DR. BURCU GEMİCİ BAŞOL
107	20170800041	BUKET	SERİM	DOÇ. DR. BURCU GEMİCİ BAŞOL
108	20170800040	İMGE	SEVİNÇLİ	DOÇ. DR. BURCU GEMİCİ BAŞOL
109	20170800064	ÖMER	SÖNMEZ	YRD. DOÇ. DR. ARZU AKALIN
110	20160800062	ENES TANER	SÖNMEZIŞIK	DOÇ. DR. BURCU GEMİCİ BAŞOL
111	20170800082	MELİS ECE	ŞAHİNER	DOÇ. DR. BURCU GEMİCİ BAŞOL
112	20170800022	HAYDAR	ŞENDUR	YRD. DOÇ. DR. ÇİĞDEM ALTUNOK
113	20160800085	PELİN	ŞENGÜDER	YRD. DOÇ. DR. ÇİĞDEM ALTUNOK
114	20170800044	İPEK	TANAÇAR	YRD. DOÇ. DR. ÇİĞDEM ALTUNOK
115	20160800058	YEŞİM	TÜMER	YRD. DOÇ. DR. ÇİĞDEM ALTUNOK
116	20160800003	MUSTAFA ALİHAN	TÜRK	YRD. DOÇ. DR. ÇİĞDEM ALTUNOK
117	20170800094	CEMAL	ULUSOY	YRD. DOÇ. DR. HALE ARIK TAŞYIKAN
118	20170800104	CAN DOĞU	USANMAZ	YRD. DOÇ. DR. HALE ARIK TAŞYIKAN
119	20170800108	SELİN	UYAR	YRD. DOÇ. DR. HALE ARIK TAŞYIKAN
120	20170800056	MERVE	UYSAL	YRD. DOÇ. DR. HALE ARIK TAŞYIKAN
121	20160800070	SEDAT	ÜÇAR	YRD. DOÇ. DR. HALE ARIK TAŞYIKAN
122	20170800093	METEHAN	YELMENOĞLU	YRD. DOÇ. DR. AYLİN YABA UÇAR
123	20170800045	SU	YILDIRIM	YRD. DOÇ. DR. AYLİN YABA UÇAR
124	20160800008	ONUR	YILMAZ	YRD. DOÇ. DR. AYLİN YABA UÇAR
125	20170800033	MERT	YÖNEY	YRD. DOÇ. DR. AYLİN YABA UÇAR
126	20160800025	MEHMET ALİ	YÜCEL	YRD. DOÇ. DR. AYLİN YABA UÇAR
127	20160800014	GÖKTUĞ	YÜKSEL	YRD. DOÇ. DR. AYLİN YABA UÇAR

CONTACT

Faculty Secretary :
Tel: +90 216 578 00 00 (3005)

Dean Secretary:
Tel: +90 216 578 05 05 – 06
Fax: +90 216 578 05 75

Student Affairs :
Tel: 0216 578 06 86

Documents Affairs:
Tel: 0216 578 05 23

Coordinator/ Co-coordinator:

Elif Çiğdem Altunok PhD, Assist. Prof. (Coordinator) 216 578 00 00 (3803) / ecaltunok@yeditepe.edu.tr
Soner Doğan, PhD, Assoc. Prof (Co-coordinator) 216 578 00 00 / soner.dogan@yeditepe.edu.tr
Bilge Güvenç Tuna PhD, Assist. Prof. (Co-coordinator) 216 578 00 00 (6300) / bilge.tuna@yeditepe.edu.tr
Aylin Yaba Uçar PhD, Assist. Prof. (Co-coordinator) 216 578 00 00 / aylin.ucar@ yeditepe.edu.tr
Oya Akçın MD, Assist. Prof. (Co-coordinator) 216 578 00 00 / oakcin@yeditepe.edu.tr
Özlem Tanrıöver MD, Assoc. Prof. (ICP Coordinator) 216 578 00 00 (3742) / otanriover@yeditepe.edu.tr
A.Arzu Akalın MD, Assist. Prof. (ICP Co-coordinator) 216 578 00 00 (1525) / arzu.akalin@yeditepe.edu.tr
Sabri Kemahlı, Prof. Dr. (PBL Coordinator) 216 578 00 00 / sabri.kemahli@yeditepe.edu.tr
İbrahim Çağatay ACUNER, Assoc. Prof. Dr. (PBL Coordinator) 216 578 00 00 / cagatay.acuner@yeditepe.edu.tr
Serdar ÖZDEMİR, Assist. Prof. Dr. (PBL Co-Coordinator) 216 578 00 00 / serdar.ozdemir@yeditepe.edu.tr

Address:

Yeditepe University Faculty of Medicine
İnönü Mah. Kayışdağı Caddesi,
26 Ağustos Yerleşimi,
34755 Ataşehir, İstanbul

Web : www.yeditepe.edu.tr
http://www.med.yeditepe.edu.tr
e-mail: tipfakdek@yeditepe.edu.tr

YEDİTEPE UNIVERSITY
FACULTY OF MEDICINE

İnönü Mah. Kayışdağı Caddesi,
26 Ağustos Yerleşimi,
34755 Ataşehir, İstanbul

+ 90 216 578 00 00

www.yeditepe.edu.tr
www.med.yeditepe.edu.tr
tipfakdek@yeditepe.edu.tr