



**YEDİTEPE UNIVERSITY**

**YEDİTEPE UNIVERSITY**

**FACULTY OF MEDICINE**

**PHASE I**

**ACADEMIC PROGRAM BOOK**

**2013 - 2014**



**YEDİTEPE UNIVERSITY  
FACULTY OF MEDICINE  
PHASE I  
ACADEMIC PROGRAM BOOK  
2013 - 2014**

**Student's;**

**Name** : .....

**Nr** : .....



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# YEDİTEPE UNIVERSITY FACULTY OF MEDICINE AIM AND OUTCOMES OF MEDICAL EDUCATION PROGRAM<sup>\*,\*\*</sup>

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

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## AIM

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

- **are aware of** the local and global health issues
- **have acquired competence** in knowledge, skills and attitudes to manage and provide primary health care service
- **know, apply** and **care** for ethical principles of the medical profession
- **keep up with** current knowledge at national and international level
- **are capable of** systematical thinking
- **are** investigative and questioning
- continually **renovate** and **improve** themselves
- **are capable of** teamwork
- **use** technology competently in medicine and related areas
- **have** effective communication skills
- **have** community leadership qualifications

## OUTCOMES

Graduate should be able to:

### 1) *practice* as a physician,

- **oriented towards**
    - **individual and non-individual factors affecting health**
    - **sustainment and improvement of healthy condition**
    - **clinical conditions which**
    - **are frequent in community**

**and/or**

  - **pose high risk for individual or community health**
  - **life-threatening or constitute an emergency**
- **at a competency level appropriate to deliver primary health care services compatible with surrounding context of health determinants.**

- 1.1. **explain** normal structural components of human body, their functions and operational mechanisms at organismal, multisystem, system, organ, tissue, cellular and molecular levels.
- 1.2. **explain** healthy condition and factors affecting health.
- 1.3. **explain** and **relates** causes of clinical conditions, courses of effect and outcomes.
- 1.4. **explain** changes (*i.e. physiological and pathological*) in structural components of body, their functions and operational mechanisms under healthy and clinical conditions.
- 1.5. **explain** most frequently occurring or most important clinical complaints (*i.e. chief complaint*), symptoms, signs, laboratory and imaging findings and their emergence mechanisms in clinical conditions.
- 1.6. **explain** current medical and surgical methods used in interventions directed towards health conditions.
- 1.7. **use** contextually appropriate medical history taking method, out of different types (*e.g. comprehensive, focused or hypothetico-deductive*) and systematically, to gather medical information from healthy individual, patient or patient's companions (*i.e. heteroanamnesis*), in case of an encounter with a healthy person or a patient who seeks health care service for a health condition.
- 1.8. **employ** physical examination methods for systems in case of an encounter with a healthy person or a patient who seeks health care service for a health condition.
- 1.9. accurately **interpret** findings in medical history and physical examination, in case of an encounter with a healthy person or a patient who seeks health care service for a health condition.
- 1.10. **implement** diagnostic procedures (*e.g. point of care testing, physician office testing*) required for primary health care, in case of an encounter with a healthy person or a patient who seeks health care service for a health condition.
- 1.11. **select (utilize)** tests shown to be highly effective in clinical decision making by evidence-based medicine from the aspects of reliability, practicality and outcome measures, in case

of an encounter with a healthy person or a patient who seeks health care service for a health condition, and **interpret** results.

- 1.12. **make** clinical decisions (*e.g. benefit estimation, risk estimation, prevention, screening, test requisition, diagnosis, triage, staging, consultation, prognosis, watchful-waiting, intervention, monitoring, end of intervention, discharge, control, end of follow-up*) shown to be highly effective from the aspects of outcome measures by evidence-based medicine, in case of an encounter with a healthy person or a patient who seeks health care service for a health condition.
- 1.13. accurately **perform** interventional procedures (*i.e. interventional clinical skills, competencies and proficiencies*) required for primary health care, in case of an encounter with a healthy person or a patient who seeks health care service for a clinical condition.
- 1.14. **coordinate** referral or transport of patient, when necessary and with patient-centered approach, to secondary health care institution, without posing any risk to patient's health, security and confidentiality, in case of an encounter with a patient who seeks health care service for a clinical condition.
- 1.15. **manage** request or symptom, healthy or clinical condition, and healthy individual or patient, with beneficiary-centered approach, and with clinical decisions made by analytical and critical thinking, clinical reasoning and problem solving methods, in case of an encounter with a patient who seeks health care service for a health condition.
- 1.16. **execute** protective and therapeutic medical practices that are individual, family and community-oriented, easily accessible, integrated and coordinated, continuous, comprehensive, and based on the principles of confidentiality, in primary health care services.
- 1.17. **identify** factors that pose a high risk to individual and community health, and **determine** individuals or populations at risk in advance or at an early stage and implement the necessary measures.
- 1.18. **value** preventive health services, **offer** primary prevention (*i.e. prevention of diseases for the protection of health*), secondary prevention (*i.e. early diagnosis and treatment*) and tertiary prevention (*i.e. rehabilitation*) services, and **provide** consultancy on these issues.
- 1.19. **provide** life-style consultancy and design services to sustain and improve individual and community health.

**2) manage** primary health care services.

- 2.1 **manage** health care team in primary health care organization.
- 2.2. **lead** community with sense of responsibility, good behavior and manners in consideration of individual behaviors and social dynamics of community, and if there is a necessity, **develop** projects directed towards health care services.
- 2.3 **define** health management and economics principles, models for organization and finance of health care services.
- 2.4 **use** health care resources with cost-effective manners.

**3) advocate individual and community health under all circumstances.**

- 3.1. **provide** consultancy services to sustain and promote the health of individual and community.
- 3.2. **explain** epidemiology of clinical conditions, and **define** measures to reduce frequencies.
- 3.3. **describe** completely all high risk factors for the community health (e.g. *natural disasters, nuclear accidents, fire, war, bio-terrorism, etc.*), and **implement** necessary measures in order to prevent effects on health.
- 3.4. **explain** health determinants completely (e.g. *physical environment, social environment, genetic background, individual response -behavior, biology-, health care services, welfare, etc.*), including conditions that prevent access to health care.

**4) perform medical practices according to regulatory and ethical principles and in consideration of behavioral sciences, social sciences, and humanities.**

- 4.1 **recognize** determinants affecting individual behaviors and attitudes, and social dynamics.
- 4.2 **recognize** basic ethical principles completely, and **distinguish** ethical and legal problems.
- 4.3 **recognize** regulations concerning national and international health systems.
- 4.4 **employ** safety, security and confidentiality principles completely for beneficiaries of health care services, companions and visitors, and health care workers.
- 4.5 **use** medical record and information systems according to regulations and ethical principles.
- 4.6 **value** informed consent taking in the framework of patients' rights, and **employ** fully.
- 4.7 **interpret** historical, anthropological and philosophical evolution of medicine, health and disease concepts, and **relate** to current medical practice

**5) establish** correct and effective communication with all stakeholders of health care services and collaborate.

- 5.1. **communicate** by using problem solving abilities during all of professional life with health care beneficiaries, co-workers, accompanying persons, visitors, patient's relatives, care givers, colleagues, other individuals and organizations.
- 5.2. **collaborate** with related organizations and institutions, with other professionals and health care workers as a team member through using problem solving abilities.
- 5.3. **communicate** with all stakeholders with consideration of socio-cultural differences.

**6) promote self medical knowledge and skills in view of the current scientific developments throughout own career.**

- 6.1. **adopt** and **implement** the importance of lifelong self-learning.
- 6.2. **recognize** importance of updating knowledge and skills; **search** current advancements and improve own knowledge and skills.
- 6.3. **speak** at least one foreign language at advanced level to follow the international literature and communicate with colleagues.
- 6.4. **recognize** methods to reach current scientific knowledge, and **use** available technology.
- 6.5. **recognize** principles of evidence-based medicine, and **implement** in health care services.
- 6.6. **develop** and **present** research projects.

**7) manage own postgraduate career.**

- 7.1. **recognize** and **investigate** postgraduate work domains and job opportunities.
- 7.2. **determine** postgraduate work domains, job opportunities and requirements for application, **distinguish** and **plan** requirements for further training and work experience.
- 7.3. **prepare** a resume, and **recognize** job interview methods.
- 7.4. **recognize** health technologies expected to be implemented in near future and emerging work areas.

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**PHASE I COORDINATION COMMITTEE  
(TEACHING YEAR 2013–2014)**

Ünal USLU MD, Assist. Prof. (Coordinator)  
Kaan YÜCEL MD, PhD, Assist. Prof (Co-coordinator)  
Çiğdem KASPAR PhD, Assist. Prof. (Co-coordinator)  
Deniz KIRAÇ PhD, Assist. Prof. (Co-coordinator)

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**DESCRIPTION OF THE PHASE I**

Normal Physiology, Basic Sciences and Medical Terms.

**PHASE CONTENT**

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

**EXECUTIVES OF ACADEMIC YEAR**

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

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## **AIM AND LEARNING OBJECTIVES OF PHASE I**

### **AIM OF PHASE I**

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

### **LEARNING OBJECTIVES OF PHASE I**

*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.
- 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 of pharmacology.
- 10.0. describe basic terms and concepts about first aid.
- 11.0. describe basic terms and concepts of communication skills.
- 12.0. describe basic terms and concepts about epidemiology.
- 13.0. list fundamental steps of a research study.

#### **SKILLS**

- 14.0. apply first aid skills on anatomic model.
- 15.0. use communication skills in patient-doctor interviews.
- 16.0. present research data with tables and graphs.

## **AIM AND LEARNING OBJECTIVES FOR ANATOMICAL DRAWING (MD 132)**

### **AIM**

1. to convey basic knowledge on anatomical drawing rules and drawing technique.
2. to equip with skills of three dimensional interpretation of bones and muscles in human body.
3. to equip with skills of drawing bones and muscles in human body.
4. 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. list rules associated with anatomical drawing.
2. represent real axonometrical view under  $120^{\circ}$  angle based on frontal, horizontal and profile views of human body.

#### **SKILLS**

1. draw frontal, horizontal and profile views of muscles in human body.
2. draw frontal, horizontal and profile views of bones in human body.
3. explain visually clinical conditions to patients.

## **AIM AND LEARNING OBJECTIVES FOR INTRODUCTION TO CLINICAL PRACTICE-1 (MD 142)**

### **AIM**

1. to convey terms and concepts related to first aid.
2. to equip with first aid skills on the model.
3. to convey terms and concepts about communication skills.
4. to equip with skills of using appropriate communication in patient-doctor relationship.

### **LEARNING OBJECTIVES**

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

#### **KNOWLEDGE**

- 1.0. explain basic terms and concepts in first aid.
- 2.0. list medical issues requiring first aid and frequently encountered problems.
- 3.0. list steps of first aid.
- 4.0. explain complete terms and concepts related to communication.

#### **SKILLS**

- 1.0. apply basic life support on anatomic model completely and in accordance with the skills check list.
- 2.0. apply basic transport techniques on anatomic model completely and in accordance with the skills check I list.
- 3.0. apply basic bandaging techniques completely and in accordance with the skills check list.
- 4.0. obtain medical history from standard patient, using appropriate communication techniques.

# ACADEMIC CALENDAR 2013 - 2014

## PHASE I

### COMMITTEE I

#### INTRODUCTION TO BASIC MEDICAL SCIENCES (6 Weeks)

Beginning of Committee	September 16, 2013	Monday
End of Committee	October 25, 2013	Friday
Committee Theoretical Exam	November 01, 2013	Friday

**Religious Holiday**                      **October 14-18 2013**      **Monday - Friday**

### COMMITTEE II

#### CELL (8 Weeks)

Beginning of Committee	November 04, 2013	Monday
End of Committee	December 20, 2013	Friday
Committee Practical Exam	December 26, 2013	Thursday
Committee Theoretical Exam	December 27, 2013	Friday

**National Holiday**                      **October 28-29, 2013**      **Monday - Tuesday**  
**Commemoration of Atatürk**      **November 08, 2013**      **Friday**  
**White Coat Ceremony**              **November 20, 2013**      **Wednesday**

### COMMITTEE III

#### TISSUE I (6 Weeks)

Beginning of Committee	December 30, 2013	Monday
End of Committee	February 14, 2014	Friday
Committee Practical Exam	Feb. 19-20, 2014	Wednes., Thursday
Committee Theoretical Exam	February 21, 2014	Friday

**New Year**                                      **January 01, 2014**              **Wednesday**  
**MIDTERM BREAK**                      **January 20, 2014**              **February 2, 2014**

### COMMITTEE IV

#### TISSUE II (8 Weeks)

Beginning of Committee	February 24, 2014	Monday
End of Committee	April 11, 2014	Friday
Committee Practical Exam	April 17, 2014	Thursday
Committee Theoretical Exam	April 18, 2014	Friday
Committee Biostatistics Exam	April 18, 2014	Friday

**Physicians' Day**                      **March 14, 2014**              **Friday**

**COMMITTEE V****ENERGY and METABOLISM (7 Weeks)**

Beginning of Committee	April 21, 2014	Monday
End of Committee	May 23, 2014	Friday
Committee Practical Exam	May 28, 2014	Wednesday
Committee Biostatistics Exam	May 28, 2014	Wednesday
Committee Theoretical Exam	May 29, 2014	Thursday

<b>National Holiday</b>	<b>April 23, 2014</b>	<b>Wednesday</b>
<b>Labor's Day</b>	<b>May 1, 2014</b>	<b>Thursday</b>
<b>National Holiday</b>	<b>May 19, 2014</b>	<b>Monday</b>

**Basic Medical Sciences I**

<b>Make-up Exam</b>	June 09-10, 2014	Monday-Tuesday
<b>Final Exam</b>	June 19, 2014	Thursday
<b>Incomplete Exam</b>	July 24, 2014	Thursday

**ICP- I:**

<b>Midterm Exam</b>	February 03, 2014	Monday (09:00 A.M.)
<b>Make-up Exam</b>	June 10, 2014	Tuesday
<b>Final Exam</b>	June 20, 2014	Friday
<b>Incomplete Exam</b>	July 25, 2014	Friday

**Turkish Language & Literature**

<b>Fall Final Exam</b>	<b>TKL</b> December 28, 2013	Saturday (10:00-12:00)
<b>Spring Final Exam</b>	May 24, 2014	Saturday (10:00-12:00)

**Hummanities**

<b>Fall Final Exam</b>	<b>HUM</b> December 28, 2013	Saturday (14:00-16:00)
<b>Spring Final Exam</b>	May 24, 2014	Saturday (14:00-16:00)

**Atatürk's Principles & History of Modern Turkey**

<b>Fall Final Exam</b>	<b>HTR</b> January 04, 2014	Saturday (10:00-18:00)
<b>Spring Final Exam</b>		

<b>Coordination Committee Meeting</b>	January 02, 2014	Thursday (09:00-12:00)
<b>Coordination Committee Meeting</b>	April 24, 2014	Thursday (09:00-12:00)

# FALL AND SPRING SEMESTERS WEEKLY COURSE SCHEDULE and LOCATIONS

FOR MD 132, MD142, HTR 301-302, TKL 201-202, HUM 301-302

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
09:00-09:50	MD 142* (B 309)	MD 120 (B 309)	MD 120 (B 309)	MD 120 (B 309)	MD 120 (B 309)
10:00-10:50	MD 142 (B 309)	MD 120 (B 309)	MD 120 (B 309)	MD 120 (B 309)	MD 120 (B 309)
11:00-11:50	MD 142 (B 309)	MD 120 (B 309)	MD 120 (B 309)	MD 120 (B 309)	MD 120 (B 309)
12:00-12:50		MD 120 (B 309)	MD 120 (B 309)	MD 120 (B 309)	MD 120 (B 309)
13:00-13:50	TKL201&202 (B 309)				
14:00-14:50	TKL201&202 (B 309)	MD 132 (C 931-932)	MD 120 (B 309)	MD 120 (B 309)	MD 120 (B 309)
15:00-15:50	Humanities Conference	MD 132 (C 931-932)	MD 120 (B 309)	MD 120 (B 309)	MD 120 (B 309)
16:00-16:50	HUM 101&102 (WBAL**)	HTR 301&302 (B309)	MD 120 (B 309)	MD 120 (B 309)	MD 120 (B 309)
17:00-17:50	HUM 101&102 (WBAL)	HTR 301&302 (B309)	MD 120 (B 309)	MD 120 (B 309)	MD 120 (B 309)

## CODE

## LECTURE

**MD 142**

Introduction to Clinical Practice I (ICP-I)

**MD 132**

Anatomical Drawing

**TKL201 & 202**

Turkish Language & Literature

**HTR 301 & 302**

Atatürk's Principles & History of Modern Turkey

**HUM 101 & HUM 102**

Humanities

## CLASSES

**B 309**

Base Floor

**C 931-932**

5th Floor

\* MD 142 Practical Lectures will be in Clinical Skills Laboratory

\*\* WBAL = will be announced later

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**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.

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**ASSESSMENTS**

**Assessments table will be made with consideration of each learning objective for each committee and will be announced and explained in introductory lectures at the beginning of the committee.**

**EXAMINATION MATRIX**  
**Basic Medical Sciences I**

<u>Committee Exams</u>	:	WE + OSPE*
Number of Questions in WE	:	100 - 200
Question Type Distribution *	:	10% Extended Match 90% MCQ
<u>Final Exam</u>	:	WE
Question Number	:	200
Question Type Distribution*	:	96% MCQ 4% Scientific Project Report

Mean score of committee examinations and final examination score will form 60% and 40% of the end of the year grade, respectively.

**The final examination score and the end of the year grade should not be under 50.**

<u>Incomplete Exam</u>	:	WE
Question Number	:	100
Question Type Distribution*	:	90% MCQ 4% Scientific Project Report**

Mean score of committee examinations and incomplete examination score will form 60% and 40% of term grade, respectively.

\*Details of OSPE are given in the assessment tables at the end of each committee program.

\*\*Score of the Scientific Project Report of Phase I will also contribute to the score of incomplete examination.

WE: Written Examination  
OSPE: Objective Structured Practical Exam  
MCQ: Multiple Choice Question

**\*Figures are percentages of points in total written exam score.  
Figures do not correspond to exact number of questions.**

## **ICP- I**

During the Fall semester ICP I consists of "First Aid" lectures both theoretically and practically. Midterm exam will be MCQ style. In the Spring semester ICP I consists of "Communication Skills in Medicine" both theoretically and mainly practically using standardized patients. The Final examination will be Objective Structured Clinical Exam (OSCE) measuring the skills to communicate with standardized patients and Basic Life Support skills as well as some practical approach skills necessary for the First Aider.

The Midterm exam will be MCQ style effecting the 40% of the end of the year grade  
The Final exam will be OSCE effecting the 60% of the end of the year grade.

## **OSCE**

OSCE is an acronym for Objective Structured Clinical Exam. It describes a form of performance-based testing 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 standardized patients who present with some type of medical problem.

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**INTRODUCTION TO BASIC MEDICAL SCIENCES  
COMMITTEE I**

**DISTRIBUTION of LECTURE HOURS**

**September 16, 2013 - November 01, 2013**

**COMMITTEE DURATION: 6 WEEKS**

		THEO.	PRAC.	TOTAL
MD 120	<b>BASIC MEDICAL SCIENCES I</b>	<b>101</b>	<b>16</b>	<b>117</b>
	<b>DISCIPLINE</b>			
	BIOPHYSICS	18	0	18
	HISTOLOGY & EMBRYOLOGY	8	4	12
	MEDICAL BIOLOGY	38	12	50
	MEDICAL HISTORY & ETHICS	12	0	12
	MICROBIOLOGY	3	0	3
	ORGANIC CHEMISTRY	18	0	18
	PHYSIOLOGY	2	0	2
SCIENTIFIC PROJECT I	2	0	2	

MD 132	<b>ANATOMICAL DRAWING</b>	0	10	10
MD 142	<b>ICP I</b>	16	0	16
HTR 301-302	<b>ATATURK'S PRINCIPLES &amp; HISTORY OF MODERN TURKEY</b>	10	0	10
HUM 101-102	<b>HUMANITIES</b>	10	5	15
TKL 201-202	<b>TURKISH LANGUAGE &amp; LITERATURE</b>	10	0	10

<b>TOTAL</b>		<b>147</b>	<b>31</b>	<b>178</b>
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<b>I. Coordination Committee</b>	Head	Turgay İSBİR, PhD Prof.
	Secretary	Çiğdem KASPAR, PhD Assist. Prof.
	Member	Elif VATANOĞLU, MD Assist. Prof.
	Member	Akif MAHARRAMOV, PhD Assist. Prof.

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**INTRODUCTION TO BASIC MEDICAL SCIENCES  
COMMITTEE I  
LECTURERS**

<b>BASIC MEDICAL SCIENCES I</b>	
<b>DISCIPLINE</b>	<b>FACULTY</b>
BIOPHYSICS	Akif MAHARRAMOV, PhD Assist. Prof.
HISTOLOGY & EMBRYOLOGY	Ünal USLU, MD Assist. Prof.
	Alev CUMBUL, PhD Assist. Prof.
MEDICAL BIOLOGY	Turgay İSBİR, PhD Prof.
	Deniz KIRAÇ, PhD Assist. Prof.
	Soner DOĞAN, PhD Assist. Prof.
MEDICAL HISTORY & ETHICS	Elif VATANOĞLU, MD Assist. Prof.
MICROBIOLOGY	Gülden ÇELİK, MD Prof.
	Yeşim GÜROL, MD Assoc. Prof.
	Çağatay ACUNER, MD Assoc. Prof.
ORGANIC CHEMISTRY	Esra Önen BAYRAM, PhD Assist. Prof.
PHYSIOLOGY	Bayram YILMAZ, PhD Prof.
	Burcu ŞEKER, PhD Assist. Prof.
SCIENTIFIC PROJECT I	Gülderen YANIKKAYA DEMİREL, MD Assoc. Prof.

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

**YEDİTEPE UNIVERSITY  
FACULTY OF MEDICINE  
PHASE I**

**INTRODUCTION TO BASIC MEDICAL SCIENCES  
COMMITTEE I  
AIM AND LEARNING OBJECTIVES**

**AIM**

1. **to convey** basic terms and concepts on medical history, physiology, embryology, histology, organic chemistry, biophysics, medical biology and microbiology,
2. **to convey** basic knowledge on viability.

**LEARNING OBJECTIVES**

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

- 1.0. explain basic terms and concepts related to basic physics, basic biophysics, system. international units, biomaterials, bio-optics, radiation physics, biomechanics, bioelectronics.
- 2.0. explain mechanic, electrical and optical processes that are characteristics of living organisms.
- 3.0. explain methods used in histology and their usage purposes.
- 4.0. gain a molecular perspective to all of the biochemical mechanisms in living cells.
- 5.0. explain human genome project and the importance of the results.
- 6.0. explain the structure and function of eukaryotic subcellular organelles.
- 7.0. identify the molecules involved in the communication between the cells
- 8.0. explain the mechanism of signal transduction.
- 9.0. describe the programmed cell death.
- 10.0. explain disease and health theories in prehistoric era.
- 11.0. define the correlation of medicine, art and philosophy from prehistoric ages to date.
- 12.0. explain history of discovery for important microorganisms causing infections in humans.
- 13.0. define structure of atom and chemical bonds.
- 14.0. for organic compounds;
  - 14.1. define functional groups.
  - 14.2. classify possible reactions.
- 15.0. define homeostasis.

PHASE I		INTRODUCTION TO BASIC MEDICAL SCIENCES	COMMITTEE I
I. WEEK			
DAY	HOUR	SUBJECT	LECTURER
<b>16-Sep-2013 MONDAY</b>	09.00-09.50		
	10.00-10.50	<b>Introduction to Medical Faculty</b>	<b>Dean Lecture</b>
	11.00-11.50	<b>Introduction to Phase I and Comitte I</b>	Ç. Kaspar
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoglu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoglu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
17.00-17.50	Humanities		
<b>17-Sep-2013 TUESDAY</b>	09.00-09.50	<b>Independent study hours</b>	
	10.00-10.50	<b>Independent study hours</b>	
	11.00-11.50	Introduction to the First Aid Programmes	G. İzbirak
	12.00-12.50	Basic Human Body	A. Akalın
	13.00-13.50		
	14.00-14.50	Anatomical Drawing	R. Aziz
	15.00-15.50	Anatomical Drawing	R. Aziz
	16.00-16.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
17.00-17.50	Atatürk's Principles& History of M. Turkey	D. Ekşi	
<b>18-Sep-2013 WEDNESDAY</b>	09.00-09.50	Introduction to Medical Biology	T. İsbir
	10.00-10.50	Origin of Life	T. İsbir
	11.00-11.50	Organic Chemistry: Introduction	E.Ö. Bayram
	12.00-12.50	Electron Structures and Bonding	E.Ö. Bayram
	13.00-13.50		
	14.00-14.50	Legal Aspect of First Aid	E. Vatanoğlu
	15.00-15.50	Legal Aspect of First Aid	E. Vatanoğlu
	16.00-16.50	Basic Life Support	G. İzbirak
17.00-17.50	Basic Life Support	G. İzbirak	
<b>19-Sep-2013 THURSDAY</b>	09.00-09.50	Origin of Life	T. İsbir
	10.00-10.50	Cellular Organization of Life	T. İsbir
	11.00-11.50	Introduction to the Course: Approaches to Medicine	E. Vatanoğlu
	12.00-12.50	Introduction to the Course: Approaches to Medicine	E. Vatanoğlu
	13.00-13.50		
	14.00-14.50	Introduction to Medical Biology Lab. <b>Gr A</b>	M. BIOLOGY
	15.00-15.50	Introduction to Medical Biology Lab. <b>Gr A</b>	M. BIOLOGY
	16.00-16.50	Introduction to Medical Biology Lab. <b>Gr B</b>	M. BIOLOGY
17.00-17.50	Introduction to Medical Biology Lab. <b>Gr B</b>	M. BIOLOGY	
<b>20-Sep-2013 FRIDAY</b>	09.00-09.50	Cellular Organization of Life	T. İsbir
	10.00-10.50	Cellular Organization of Life	T. İsbir
	11.00-11.50	Organic Reactions Acidity and Basicity	E.Ö. Bayram
	12.00-12.50	Organic Reactions Acidity and Basicity	E.Ö. Bayram
	13.00-13.50		
	14.00-14.50	Introduction to Biophysics; Biomechanics	A. Maharramov
	15.00-15.50	Physical Measurements and Units, Unit Standards	A. Maharramov
	16.00-16.50	Introduction to Medical Biology Lab. <b>Gr C</b>	M. BIOLOGY
17.00-17.50	Introduction to Medical Biology Lab. <b>Gr C</b>	M. BIOLOGY	

## II. WEEK

DAY	HOUR	SUBJECT	LECTURER
<b>23-Sep-2013</b> <b>MONDAY</b>	09.00-09.50	Scene Assessment	A. Akalın
	10.00-10.50	Shock and Bleeding Control	H. Akan
	11.00-11.50	Injuries	A. Akalın
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoglu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoglu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
<b>24-Sep-2013</b> <b>TUESDAY</b>	09.00-09.50	Force, Gravity, Gravitation Law, Mass and Weight	A. Maharramov
	10.00-10.50	Newton's Laws, Center of Mass	A. Maharramov
	11.00-11.50	Introduction to Histology; Basic Terminology	U. Uslu
	12.00-12.50	Conventional Brightfield Microscopy	U. Uslu
	13.00-13.50		
	14.00-14.50	Anatomical Drawing	R. Aziz
	15.00-15.50	Anatomical Drawing	R. Aziz
	16.00-16.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
<b>25-Sep-2013</b> <b>WEDNESDAY</b>	09.00-09.50	Cellular Organization of Life	T. İsbir
	10.00-10.50	Cellular Organization of Life	T. İsbir
	11.00-11.50	Buffers, pH	E.Ö. Bayram
	12.00-12.50	Buffers, pH	E.Ö. Bayram
	13.00-13.50		
	14.00-14.50	Cellular Organization of Life	T. İsbir
	15.00-15.50	Importance of Energy for Biological Systems	A. Maharramov
	16.00-16.50	Velocity, Acceleration, Moment	A. Maharramov
	17.00-17.50	<b>Independent study hours</b>	
<b>26-Sep-2013</b> <b>THURSDAY</b>	09.00-09.50	Cellular Organization of Life	T. İsbir
	10.00-10.50	Cell Membrane	T. İsbir
	11.00-11.50	Hippocrates and the "Great Tradition"	E. Vatanoğlu
	12.00-12.50	Hippocrates and the "Great Tradition"	E. Vatanoğlu
	13.00-13.50		
	14.00-14.50	Cell Membrane	T. İsbir
	15.00-15.50	History and Scope of Microbiology	G. Çelik
	16.00-16.50	How to Read and Write an Article	G. D. Yanikkaya
	17.00-17.50	How to Read and Write an Article	G. D. Yanikkaya
<b>27-Sep-2013</b> <b>FRIDAY</b>	09.00-09.50	Cell Membrane	T. İsbir
	10.00-10.50	Cytoskeleton	T. İsbir
	11.00-11.50	Redox Reactions	E.Ö. Bayram
	12.00-12.50	Functional Groups: Alkanes and Cycloalkanes	E.Ö. Bayram
	13.00-13.50		
	14.00-14.50	Cytoskeleton	T. İsbir
	15.00-15.50	History and Scope of Microbiology	G. Çelik
	16.00-16.50	History and Scope of Microbiology	G. Çelik
	17.00-17.50	<b>Independent study hours</b>	

### III. WEEK

DAY	HOUR	SUBJECT	LECTURER
<b>30-Sep-2013</b> <b>MONDAY</b>	09.00-09.50	Burns, Freezing, Frostbite	H. Akan
	10.00-10.50	Fractures and Dislocation	Ö.Tanrıöver
	11.00-11.50	Fractures and Dislocation	Ö.Tanrıöver
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoğlu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoğlu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
<b>1-Oct-2013</b> <b>TUESDAY</b>	09.00-09.50	Mechanical Powers of Cardiac and Skeletal Muscles	A. Maharramov
	10.00-10.50	Biomaterials: Stress-Strain, Poisson's Law	A. Maharramov
	11.00-11.50	Other Brightfield Microscopy Types	U Uslu
	12.00-12.50	Electronmicroscopy	U Uslu
	13.00-13.50		
	14.00-14.50	Anatomical Drawing	R. Aziz
	15.00-15.50	Anatomical Drawing	R. Aziz
	16.00-16.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
<b>2-Oct-2013</b> <b>WEDNESDAY</b>	09.00-09.50	Cytoskeleton	T. İsbir
	10.00-10.50	Cytoskeleton	T. İsbir
	11.00-11.50	Alkenes	E.Ö. Bayram
	12.00-12.50	Alkenes	E.Ö. Bayram
	13.00-13.50		
	14.00-14.50	Cell Adhesion	T. İsbir
	15.00-15.50	LAB: Microscopy <b>Gr A</b>	HİSTOLOGY
	16.00-16.50	LAB: Microscopy <b>Gr A</b>	HİSTOLOGY
	17.00-17.50	<b>Independent study hours</b>	
<b>3-Oct-2013</b> <b>THURSDAY</b>	09.00-09.50	Cell Adhesion	T. İsbir
	10.00-10.50	Cell Adhesion	T. İsbir
	11.00-11.50	Historical Perspectives: Anatomy & Surgery	E. Vatanoğlu
	12.00-12.50	Historical Perspectives: Anatomy & Surgery	E. Vatanoğlu
	13.00-13.50		
	14.00-14.50	Cell Signalling Events	T. İsbir
	15.00-15.50	Electric Charges, Electric Field	A. Maharramov
	16.00-16.50	Membrane Impedance, Bioelectrical Activity	A. Maharramov
	17.00-17.50	<b>Independent study hours</b>	
<b>4-Oct-2013</b> <b>FRIDAY</b>	09.00-09.50	Cell Signalling Events	T. İsbir
	10.00-10.50	Cell Signalling Events	T. İsbir
	11.00-11.50	Stereochemistry	E.Ö. Bayram
	12.00-12.50	Stereochemistry	E.Ö. Bayram
	13.00-13.50		
	14.00-14.50	LAB: Microscopy <b>Gr B</b>	HİSTOLOGY
	15.00-15.50	LAB: Microscopy <b>Gr B</b>	HİSTOLOGY
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	

#### IV. WEEK

DAY	HOUR	SUBJECT	LECTURER
<b>7-Oct-2013</b> <b>MONDAY</b>	09.00-09.50	Foreign Objects	H. Akan
	10.00-10.50	The Unconscious Causality	G. İzbırak
	11.00-11.50	Poisoning	A. Akalın
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoğlu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoğlu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
<b>8-Oct-2013</b> <b>TUESDAY</b>	09.00-09.50	Electric Current Effects on Human Tissue	A. Maharramov
	10.00-10.50	Electrical Security Systems	A. Maharramov
	11.00-11.50	Methods of Histology; Tissue Processing	A Cumbul
	12.00-12.50	Other Histologic Methods	A Cumbul
	13.00-13.50		
	14.00-14.50	Anatomical Drawing	R. Aziz
	15.00-15.50	Anatomical Drawing	R. Aziz
	16.00-16.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
<b>9-Oct-2013</b> <b>WEDNESDAY</b>	09.00-09.50	Cell Signalling Events	T. İsbir
	10.00-10.50	Cell Signalling Events	T. İsbir
	11.00-11.50	Alkynes and Alkyl Halides	E.Ö. Bayram
	12.00-12.50	Alkynes and Alkyl Halides	E.Ö. Bayram
	13.00-13.50		
	14.00-14.50	Introduction to Physiology and Homeostasis	B. Yılmaz
	15.00-15.50	Introduction to Physiology and Homeostasis	B. Yılmaz
	16.00-16.50	Cell Signalling Events	T. İsbir
	17.00-17.50		
<b>10-Oct-2013</b> <b>THURSDAY</b>	09.00-09.50	Intercellular Cell Signalling	T. İsbir
	10.00-10.50	Intercellular Cell Signalling	T. İsbir
	11.00-11.50	Historical Perspectives: Obstetrics & Gynecology	E. Vatanoğlu
	12.00-12.50	Historical Perspectives: Obstetrics & Gynecology	E. Vatanoğlu
	13.00-13.50		
	14.00-14.50	Programmed Cell Death	T. İsbir
	15.00-15.50	Nature of Light, Electromagnetic Spectrum, Lenses	A. Maharramov
	16.00-16.50	Lens-maker Equation	A. Maharramov
	17.00-17.50	<b>Independent study hours</b>	
<b>11-Oct-2013</b> <b>FRIDAY</b>	09.00-09.50	Programmed Cell Death	T. İsbir
	10.00-10.50	Programmed Cell Death	T. İsbir
	11.00-11.50	Alcohols and Phenols	E.Ö. Bayram
	12.00-12.50	Alcohols and Phenols	E.Ö. Bayram
	13.00-13.50		
	14.00-14.50	Programmed Cell Death	T. İsbir
	15.00-15.50	Basic Tec.: The Prep. of Aqueous Sol. <b>GrA</b>	M. BIOLOGY
	16.00-16.50	Basic Tec.: The Prep. of Aqueous Sol. <b>GrA</b>	M. BIOLOGY
	17.00-17.50	<b>Independent study hours</b>	

**RELIGIOUS HOLIDAY WEEK**

**14-Oct-2013  
MONDAY**

**18-Oct-2013  
FRIDAY**

**RELIGIOUS HOLIDAY**

**V. WEEK**

<b>DAY</b>	<b>HOUR</b>	<b>SUBJECT</b>	<b>LECTURER</b>
<b>21-Oct-2013 MONDAY</b>	09.00-09.50	Animal and Insect Bite	Ö.Tanrıöver
	10.00-10.50	Drowning	Ö.Tanrıöver
	11.00-11.50	Patient-Causalty Transportation Techniques	H. Akan
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoglu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoglu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
<b>22-Oct-2013 TUESDAY</b>	09.00-09.50	Optical Aberrations	A. Maharramov
	10.00-10.50	Vision and Eye	A. Maharramov
	11.00-11.50	Intro. to Embryology; Basic Terminology	U. Uslu
	12.00-12.50	Human Devopmental Periods	U. Uslu
	13.00-13.50		
	14.00-14.50	Anatomical Drawing	R. Aziz
	15.00-15.50	Anatomical Drawing	R. Aziz
	16.00-16.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
<b>23-Oct-2013 WEDNESDAY</b>	09.00-09.50	Cell Cycle and Mitosis	T. İsbir
	10.00-10.50	Cell Cycle and Mitosis	T. İsbir
	11.00-11.50	Problem Hours in Organic Chemistry	E.Ö. Bayram
	12.00-12.50	Problem Hours in Organic Chemistry	E.Ö. Bayram
	13.00-13.50		
	14.00-14.50	Basic Tec.: The Prep. of Aqueous Sol. <b>GrB</b>	M. BIOLOGY
	15.00-15.50	Basic Tec.: The Prep. of Aqueous Sol. <b>GrB</b>	M. BIOLOGY
	16.00-16.50	Basic Tec.: The Prep. of Aqueous Sol. <b>GrC</b>	M. BIOLOGY
	17.00-17.50	Basic Tec.: The Prep. of Aqueous Sol. <b>GrC</b>	M. BIOLOGY
<b>24-Oct-2013 THURSDAY</b>	09.00-09.50	Cell Cycle and Mitosis	T. İsbir
	10.00-10.50	Cell Cycle and Mitosis	T. İsbir
	11.00-11.50	Historical Perspectives: Medicine & Pharmacology	E. Vatanoğlu
	12.00-12.50	Historical Perspectives: Medicine & Pharmacology	E. Vatanoğlu
	13.00-13.50		
	14.00-14.50	<b>Independent study hours</b>	
	15.00-15.50	<b>Independent study hours</b>	
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	
<b>25-Oct-2013 FRIDAY</b>	09.00-09.50	Cellular Homoestosis and Cell Growth	T. İsbir
	10.00-10.50	Cellular Homoestosis and Cell Growth	T. İsbir
	11.00-11.50	Optic Nerves, Extra-ocular Muscles	A. Maharramov
	12.00-12.50	Refraction Errors in the Eye, Microscope	A. Maharramov
	13.00-13.50		
	14.00-14.50	<b>Independent study hours</b>	
	15.00-15.50	<b>Independent study hours</b>	
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	

**VI. WEEK**

<b>DAY</b>	<b>HOUR</b>	<b>SUBJECT</b>	<b>LECTURER</b>
<b>28-Oct-2013 MONDAY</b>		<b>REPUBLIC DAY</b>	
<b>29-Oct-2012 TUESDAY</b>		<b>REPUBLIC DAY</b>	
<b>30-Oct-2013 WEDNESDAY</b>			
<b>31-Oct-2013 THURSDAY</b>			
<b>01-Nov-2013 FRIDAY</b>	<b>10.00-13.50</b>	<b>THEORETICAL EXAM</b>	

**YEDİTEPE UNIVERSITY  
FACULTY OF MEDICINE  
PHASE I**

**INTRODUCTION TO BASIC MEDICAL SCIENCES - COMMITTEE I**

**COMMITTEE EXAM ASSESSMENT TABLE**

<b>BASIC MEDICAL SCIENCES I DISCIPLINE</b>	<b>NUMBER OF MCQ*</b>	<b>VALUE OF EMQ**</b>
BIOPHYSICS	17	
HISTOLOGY & EMBRYOLOGY	9	
MEDICAL BIOLOGY	41	
MEDICAL HISTORY & ETHICS	11	
MICROBIOLOGY	3	
ORGANIC CHEMISTRY	17	
PHYSIOLOGY	2	
<b>TOTAL</b>	<b>100</b>	<b>10 pts</b>

Total number of multiple choice questions is **100**, equal to **90** pts,

Each multiple choice question has value equal to **0,9** pts,

Extending matching questions have value equal to **10** pts. Disciplines which will prepare the EMQ's and EMQ examples will be announced in the introduction to committee lecture.

**MCQ\***: Multiple Choice Question

**EMQ\*\***: Extending Matching Question

**pts**: Points

**YEDİTEPE UNIVERSITY  
FACULTY OF MEDICINE  
PHASE I**

**CELL – COMMITTEE II  
DISTRIBUTION of LECTURE HOURS**

**November 04, 2013 - December 27, 2013**

**COMMITTEE DURATION: 8 WEEKS**

		THEO.	PRAC.	TOTAL
<b>MD 120</b>	<b>BASIC MEDICAL SCIENCES I</b>	<b>109</b>	<b>33</b>	<b>142</b>
	<b>DISCIPLINE</b>			
	ANATOMY	12	9	21
	BIOPHYSICS	14	0	14
	HISTOLOGY and EMBRYOLOGY	11	0	11
	MEDICAL BIOLOGY	33	18	51
	MEDICAL HISTORY & ETHICS	6	0	6
	MICROBIOLOGY	8	0	8
	ORGANIC CHEMISTRY	18	0	18
	PHYSIOLOGY	5	6	11
	SCIENTIFIC PROJECT I	2	0	2

<b>MD 132</b>	<b>ANATOMICAL DRAWING</b>	0	14	14
<b>MD 142</b>	<b>ICP-I</b>	0	21	21
<b>HTR 301-302</b>	<b>ATATURK'S PRINCIPLES &amp; HISTORY OF MODERN TURKEY</b>	16	0	16
<b>HUM 101-102</b>	<b>HUMANITIES</b>	16	8	24
<b>TKL 201-202</b>	<b>TURKISH LANGUAGE &amp; LITERATURE</b>	16	0	16

<b>TOTAL</b>	<b>157</b>	<b>76</b>	<b>233</b>
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<b>II. Coordination Committee</b>	Head	Gülden ÇELİK, MD Prof.
	Secretary	Kaan YÜCEL, MD, PhD Assist. Prof.
	Member	Alev CUMBUL, PhD Assist. Prof.
	Member	Soner DOĞAN, PhD Assist. Prof.

**YEDİTEPE UNIVERSITY  
FACULTY OF MEDICINE  
PHASE I**

**CELL – COMMITTEE II  
LECTURERS**

<b>BASIC MEDICAL SCIENCES I</b>	
<b>DISCIPLINE</b>	<b>FACULTY</b>
ANATOMY	Kaan YÜCEL, MD, PhD Assist. Prof.
BIOPHYSICS	Akif MAHARRAMOV, PhD Assist. Prof.
HISTOLOGY & EMBRYOLOGY	Ünal USLU, MD Assist. Prof.
	Alev CUMBUL, PhD Assist. Prof.
MEDICAL BIOLOGY	Turgay İSBİR, PhD Prof.
	Deniz KIRAÇ, PhD Assist. Prof.
	Soner DOĞAN, PhD Assist. Prof.
MEDICAL HISTORY & ETHICS	Elif VATANOĞLU, MD Assist. Prof.
MICROBIOLOGY	Gülden ÇELİK, MD Prof.
	Yeşim GÜROL, MD Assoc. Prof.
	Çağatay ACUNER, MD Assoc. Prof.
ORGANIC CHEMISTRY	Esra Önen BAYRAM, PhD Assist. Prof.
PHYSIOLOGY	Bayram YILMAZ, PhD Prof.
	Burcu ŞEKER, PhD Assist. Prof.
SCIENTIFIC PROJECT I	Gülderen YANIKKAYA DEMİREL, MD Assoc. Prof.

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

**YEDİTEPE UNIVERSITY  
FACULTY OF MEDICINE  
PHASE I**

**CELL – COMMITTEE II  
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** knowledge on cellular structure and functions.
3. **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 fundamental concepts of anatomy
  - 1.1. define anatomy, its historical development and basic anatomical terms.
  - 1.2. *explain basic concepts related to regional and systematic anatomy, and osteology.*
- 2.0. define anatomical properties and clinical implications for skull bones, vertebrae and thorax.
- 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, organelles, cytoskeleton and nucleus.
- 6.0. list the difference between mitosis and meiosis.
- 7.0. define basic ions that are diffused in intracellular and extracellular fluids and their concentrated regions.
- 8.0. explain transfer mechanisms of cellular membrane and the connection of these mechanisms with material and energy requirements.
- 9.0. explain the roles of DNA and RNA in the maintenance of living organism.
- 10.0. list the protein synthesis steps and define the mechanisms of regulation of gene expression.
- 11.0. define types of mutations and emphasize the importance of gene polymorphisms in human health and variability.
- 12.0. define plasmids and their use in molecular biology,
- 13.0. explain the identification methods of chromosomes and their use in medical clinics.
- 14.0. explain fundamental ethics and legal aspects of first aid.
- 15.0. define reflections of learning processes on patient-physician relationships.
- 16.0. for microorganisms;
  - 16.1. classify
  - 16.2. list general characteristics.
- 17.0. define structure of organic compounds and their chemical reactions
- 18.0. define structures and reactions of macromolecules such as amino acid, protein, lipid and carbohydrate.

I. WEEK	PHASE I	CELL	COMMITTEE II
DAY	HOUR	SUBJECT	LECTURER
4-Nov-2013 MONDAY	09.00-09.50	<b>LAB:</b> Basic Life Support Group I	G. İzbirak & A. Akalın
	10.00-10.50	<b>LAB:</b> Basic Life Support Group I	G. İzbirak & A. Akalın
	11.00-11.50	<b>LAB:</b> Basic Life Support Group I	G. İzbirak & A. Akalın
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoğlu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoğlu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
	5-Nov-2013 TUESDAY	09.00-09.50	<b>Introduction to Committee II</b>
10.00-10.50		Introduction to anatomy	K Yücel
11.00-11.50		Decay Curve and the Decay Law of Radioactivity	A. Maharramov
12.00-12.50		Decay Curve and the Decay Law of Radioactivity	A. Maharramov
13.00-13.50			
14.00-14.50		Anatomical Drawing	R. Aziz
15.00-15.50		Anatomical Drawing	R. Aziz
16.00-16.50		Atatürk's Principles & History of M. Turkey	D. Ekşi
17.00-17.50		Atatürk's Principles & History of M. Turkey	D. Ekşi
6-Nov-2013 WEDNESDAY		09.00-09.50	Deoxyribonucleic Acid and Ribonucleic Acid
	10.00-10.50	Deoxyribonucleic Acid and Ribonucleic Acid	T. İsbir
	11.00-11.50	Ethers And Epoxides; Thiols And Sulfides	E.Ö. Bayram
	12.00-12.50	Ethers And Epoxides; Thiols And Sulfides	E.Ö. Bayram
	13.00-13.50		
	14.00-14.50	General Structures of Bacteria, Mycoplasma, Chlamydia and Rickettsiae	G. Çelik
	15.00-15.50	General Structures of Bacteria, Mycoplasma, Chlamydia and Rickettsiae	G. Çelik
	16.00-16.50	How to Read and Write an Article	G. D. Yanıkkaya
	17.00-17.50	How to Read and Write an Article	G. D. Yanıkkaya
	7-Nov-2013 THURSDAY	09.00-09.50	Deoxyribonucleic Acid and Ribonucleic Acid
10.00-10.50		Deoxyribonucleic Acid and Ribonucleic Acid	T. İsbir
11.00-11.50		The Physician-Patient Relationship	E. Vatanoğlu
12.00-12.50		The Physician-Patient Relationship	E. Vatanoğlu
13.00-13.50			
14.00-14.50		General Structure of Fungi	Y. Gürol
15.00-15.50		General Structure of Fungi	Y. Gürol
16.00-16.50		<b>Independent study hours</b>	
17.00-17.50		<b>Independent study hours</b>	
8-Nov-2013 FRIDAY		09.00-10.50	<b>Independent study hours</b>
	11.00-12.50	Particle Radiation ( $\alpha$ , $\beta$ , $\gamma$ particles)	A. Maharramov
	13.00-13.50		
	14.00-14.50	<b>Commemoration of Atatürk</b>	
	15.00-15.50	<b>Commemoration of Atatürk</b>	
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	

## II. WEEK

DAY	HOUR	SUBJECT	LECTURER
11-Nov-2013 MONDAY	09.00-09.50	<b>LAB:</b> Basic Life Support Group II	G. İzbırak & A. Akalın
	10.00-10.50	<b>LAB:</b> Basic Life Support Group II	G. İzbırak & A. Akalın
	11.00-11.50	<b>LAB:</b> Basic Life Support Group II	G. İzbırak & A. Akalın
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoğlu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoğlu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
	12-Nov-2013 TUESDAY	09.00-09.50	Terminology in Anatomy
10.00-10.50		Introduction to Systematic Anatomy	K. Yücel
11.00-11.50		Cell; General Specification	U. Uslu
12.00-12.50		Cell Membrane Structure	U. Uslu
13.00-13.50			
14.00-14.50		Anatomical Drawing	R. Aziz
15.00-15.50		Anatomical Drawing	R. Aziz
16.00-16.50		Atatürk's Principles & History of M. Turkey	D. Ekşi
17.00-17.50	Atatürk's Principles & History of M. Turkey	D. Ekşi	
13-Nov-2013 WEDNESDAY	09.00-09.50	Biosynthesis of Nucleotides	T. İsbir
	10.00-10.50	Biosynthesis of Nucleotides	T. İsbir
	11.00-11.50	Carbonyl Compounds	E.Ö. Bayram
	12.00-12.50	Carbonyl Compounds	E.Ö. Bayram
	13.00-13.50		
	14.00-14.50	Cell Membrane	B. Yılmaz
	15.00-15.50	Distribution of Substances in Body Fluids	B. Yılmaz
	16.00-16.50	Osmotic Pressure and Permeability of the Cell Membrane	B. Yılmaz
17.00-17.50	<b>Independent study hours</b>		
14-Nov-2013 THURSDAY	09.00-09.50	Protein Synthesis and Turnover	T. İsbir
	10.00-10.50	Protein Synthesis and Turnover	T. İsbir
	11.00-11.50	Physician Responsibilities I: Duties to Our Patients	E. Vatanoğlu
	12.00-12.50	Physician Responsibilities I: Duties to Our Patients	E. Vatanoğlu
	13.00-13.50		
	14.00-14.50	General Structure of Viruses	G. Çelik
	15.00-15.50	General Structure of Viruses	G. Çelik
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	
15-Nov-2013 FRIDAY	09.00-09.50	Protein Synthesis and Turnover	T. İsbir
	10.00-10.50	Protein Synthesis and Turnover	T. İsbir
	11.00-11.50	Carboxylic acid	E.Ö. Bayram
	12.00-12.50	Amines and other amine functional groups	E.Ö. Bayram
	13.00-13.50		
	14.00-14.50	<b>LAB : Mitosis and Meiosis Gr A</b>	M. BIOLOGY
	15.00-15.50	<b>LAB : Mitosis and Meiosis Gr A</b>	M. BIOLOGY
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	

### III. WEEK

DAY	HOUR	SUBJECT	LECTURER
<b>18-Nov-2013</b>	09.00-09.50	<b>LAB:</b> Basic Life Support Group III	G. İzbirak & A. Akalın
<b>MONDAY</b>	10.00-10.50	<b>LAB:</b> Basic Life Support Group III	G. İzbirak & A. Akalın
	11.00-11.50	<b>LAB:</b> Basic Life Support Group III	G. İzbirak & A. Akalın
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoğlu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoğlu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
<b>19-Nov-2013</b>	09.00-09.50	Introduction to Regional Anatomy	K. Yücel
<b>TUESDAY</b>	10.00-10.50	Introduction to Osteology	K. Yücel
	11.00-11.50	Cell Membrane Function; Transport	U. Uslu
	12.00-12.50	Cell Membrane Function and Signal Transduction	U. Uslu
	13.00-13.50		
	14.00-14.50	Anatomical Drawing	R. Aziz
	15.00-15.50	Anatomical Drawing	R. Aziz
	16.00-16.50	Atatürk's Principles & History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles & History of M. Turkey	D. Ekşi
<b>20-Nov-2013</b>		<b>WHITE COAT CEREMONY</b>	
<b>WEDNESDAY</b>			
<b>21-Nov-2013</b>	09.00-09.50	Regulation of Gene Expression	T. İsbir
<b>THURSDAY</b>	10.00-10.50	Regulation of Gene Expression	T. İsbir
	11.00-11.50	Physician Responsibilities II: Duties to Ourselves and to Others	E. Vatanoğlu
	12.00-12.50	Physician Responsibilities II: Duties to Ourselves and to Others	E. Vatanoğlu
	13.00-13.50		
	14.00-14.50	<b>Independent study hours</b>	
	15.00-15.50	Nucleus and Radioactivity	A. Maharramov
	16.00-16.50	<b>LAB : Mitosis and Meiosis Gr B</b>	M. BIOLOGY
	17.00-17.50	<b>LAB : Mitosis and Meiosis Gr B</b>	M. BIOLOGY
<b>22-Nov-2013</b>	09.00-09.50	Regulation of Gene Expression	T. İsbir
<b>FRIDAY</b>	10.00-10.50	Regulation of Gene Expression	T. İsbir
	11.00-11.50	Problem Hours in Organic Chemistry	E.Ö. Bayram
	12.00-12.50	Problem Hours in Organic Chemistry	E.Ö. Bayram
	13.00-13.50		
	14.00-14.50	<b>LAB : Mitosis and Meiosis Gr C</b>	M. BIOLOGY
	15.00-15.50	<b>LAB : Mitosis and Meiosis Gr C</b>	M. BIOLOGY
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	

#### IV. WEEK

DAY	HOUR	SUBJECT	LECTURER
<b>25-Nov-2013</b> <b>MONDAY</b>	09.00-09.50	<b>LAB:</b> Basic Life Support Group IV	G. İzbirak & A. Akalın
	10.00-10.50	<b>LAB:</b> Basic Life Support Group IV	G. İzbirak & A. Akalın
	11.00-11.50	<b>LAB:</b> Basic Life Support Group IV	G. İzbirak & A. Akalın
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoğlu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoğlu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
	<b>26-Nov-2013</b> <b>TUESDAY</b>	09.00-09.50	Skull (Neurocranium)
10.00-10.50		Skull (Neurocranium)	K. Yücel
11.00-11.50		Organelles; ER, Golgi and Ribosomes (Protein Synthesis)	U. Uslu
12.00-12.50		Organelles; Vesicular Transport, Mitochondria	U. Uslu
13.00-13.50			
14.00-14.50		Anatomical Drawing	R. Aziz
15.00-15.50		Anatomical Drawing	R. Aziz
16.00-16.50		Atatürk's Principles & History of M. Turkey	D. Ekşi
17.00-17.50	Atatürk's Principles & History of M. Turkey	D. Ekşi	
<b>27-Nov-2013</b> <b>WEDNESDAY</b>	09.00-09.50	Tools in Medical Biology	T. İsbir
	10.00-10.50	Tools in Medical Biology	T. İsbir
	11.00-11.50	Benzene and Heterocyclic Compounds	E.Ö. Bayram
	12.00-12.50	Benzene and Heterocyclic Compounds	E.Ö. Bayram
	13.00-13.50		
	14.00-14.50	Photoelectric Action, Compton Action	A. Maharramov
	15.00-15.50	Half Value Thickness	A. Maharramov
	16.00-16.50	Skull (Splanchoanium)	K Yücel
17.00-17.50	<b>Independent study hours</b>		
<b>28-Nov-2013</b> <b>THURSDAY</b>	09.00-09.50	Tools in Medical Biology	T. İsbir
	10.00-10.50	Genomics, Proteomics and Metabolomics	T. İsbir
	11.00-11.50	Transport of Substances Through the Cell	B. Yılmaz
	12.00-12.50	Transport of Substances Through the Cell	B. Yılmaz
	13.00-13.50		
	14.00-14.50	<b>LAB:</b> Neurocranium <b>Group A &amp; Group B</b>	ANATOMY
	15.00-15.50	<b>LAB:</b> Neurocranium <b>Group A &amp; Group B</b>	ANATOMY
	16.00-16.50	<b>LAB:</b> Neurocranium <b>Group A &amp; Group B</b>	ANATOMY
17.00-17.50	<b>Independent study hours</b>		
<b>29-Nov-2013</b> <b>FRIDAY</b>	09.00-09.50	Genomics, Proteomics and Metabolomics	T. İsbir
	10.00-10.50	Chromosome Structure and Function, Plasmids, Transposable Genetic Elements	T. İsbir
	11.00-11.50	Chemistry of Biomolecules: Lipids	E.Ö. Bayram
	12.00-12.50	Organic Chemistry of Biomolecules: Lipids	E.Ö. Bayram
	13.00-13.50		
	14.00-14.50	<b>LAB:</b> Osmosis and Diffusion <b>Gr A</b>	PHYSIOLOGY
	15.00-15.50	<b>LAB:</b> Osmosis and Diffusion <b>Gr A</b>	PHYSIOLOGY
	16.00-16.50	<b>Independent study hours</b>	
17.00-17.50	<b>Independent study hours</b>		

**V. WEEK**

DAY	HOUR	SUBJECT	LECTURER
<b>2-Dec-2013</b>	09.00-09.50	<b>LAB:</b> Patient-Causalty Transportation / Bandaging Techniques Group I	Ö Tanrıöver & H Akan
<b>MONDAY</b>	10.00-10.50	<b>LAB:</b> Patient-Causalty Transportation / Bandaging Techniques Group I	Ö Tanrıöver & H Akan
	11.00-11.50	<b>LAB:</b> Patient-Causalty Transportation / Bandaging Techniques Group I	Ö Tanrıöver & H Akan
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoğlu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoğlu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
<b>3-Dec-2013</b>	09.00-09.50	<b>Independent study hours</b>	
<b>TUESDAY</b>	10.00-10.50	Units of Radioactivity	A. Maharramov
	11.00-11.50	Cytoskeleton; General Spec, Microfilament	U. Uslu
	12.00-12.50	Cytoskeleton; Intermed. Fil. & Microtubule	U. Uslu
	13.00-13.50		
	14.00-14.50	Anatomical Drawing	R. Aziz
	15.00-15.50	Anatomical Drawing	R. Aziz
	16.00-16.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
<b>4-Dec-2013</b>	09.00-09.50	Chromosome Structure and Function, Plasmids, Transposable Genetic Elements	T. İsbir
<b>WEDNESDAY</b>	10.00-10.50	Chromosome Structure and Function, Plasmids, Transposable Genetic Elements	T. İsbir
	11.00-11.50	Chemistry of Biomolecules: Carbohydrates	E.Ö. Bayram
	12.00-12.50	Chemistry of Biomolecules: Carbohydrates	E.Ö. Bayram
	13.00-13.50		
	14.00-14.50	<b>LAB:</b> Osmosis and Diffusion <b>Gr B</b>	PHYSIOLOGY
	15.00-15.50	<b>LAB:</b> Osmosis and Diffusion <b>Gr B</b>	PHYSIOLOGY
	16.00-16.50	<b>LAB:</b> Osmosis and Diffusion <b>Gr C</b>	PHYSIOLOGY
	17.00-17.50	<b>LAB:</b> Osmosis and Diffusion <b>Gr C</b>	PHYSIOLOGY
<b>5-Dec-2013</b>	09.00-09.50	<b>Independent study hours</b>	
<b>THURSDAY</b>	10.00-10.50	Chromosome Structure and Function, Plasmids, Transposable Genetic Elements	T. İsbir
	11.00-11.50	Radioisotopes in Medicine	A. Maharramov
	12.00-12.50	Radioisotopes in Medicine	A. Maharramov
	13.00-13.50		
	14.00-14.50	<b>LAB:</b> Facial Bones <b>Group B &amp; Group A</b>	ANATOMY
	15.00-15.50	<b>LAB:</b> Facial Bones <b>Group B &amp; Group A</b>	ANATOMY
	16.00-16.50	<b>LAB:</b> Facial Bones <b>Group B &amp; Group A</b>	ANATOMY
	17.00-17.50	<b>Independent study hours</b>	
<b>6-Dec-2013</b>	09.00-09.50	General Structure of Parasites	Y. Gürol
<b>FRIDAY</b>	10.00-10.50	General Structure of Parasites	Y. Gürol
	11.00-11.50	<b>Independent study hours</b>	
	12.00-12.50	<b>Independent study hours</b>	
	13.00-13.50		
	14.00-14.50	<b>LAB:</b> Epigeneticis <b>Gr A</b>	M. BIOLOGY
	15.00-15.50	<b>LAB:</b> Epigeneticis <b>Gr A</b>	M. BIOLOGY
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	

## VI. WEEK

DAY	HOUR	SUBJECT	LECTURER
<b>9-Dec-2013</b>	09.00-09.50	<b>LAB:</b> Patient-Causalty Transportation / Bandaging Techniques Group II	Ö Tanrıöver & H Akan
<b>MONDAY</b>	10.00-10.50	<b>LAB:</b> Patient-Causalty Transportation / Bandaging Techniques Group II	Ö Tanrıöver & H Akan
	11.00-11.50	<b>LAB:</b> Patient-Causalty Transportation / Bandaging Techniques Group II	Ö Tanrıöver & H Akan
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoğlu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoğlu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
<b>10-Dec-2013</b>	09.00-09.50	Vertebral Column, Ribs and Sternum	K. Yücel
<b>TUESDAY</b>	10.00-10.50	Vertebral Column, Ribs and Sternum	K. Yücel
	11.00-11.50	Cell Nucleus	A. Cumbul
	12.00-12.50	Cell Cycle and Mitosis	A. Cumbul
	13.00-13.50		
	14.00-14.50	Anatomical Drawing	R. Aziz
	15.00-15.50	Anatomical Drawing	R. Aziz
	16.00-16.50	Atatürk's Principles & History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles & History of M. Turkey	D. Ekşi
<b>11-Dec-2013</b>	09.00-09.50	DNA Damage and Repair Mechanism	T. İsbir
<b>WEDNESDAY</b>	10.00-10.50	DNA Damage and Repair Mechanism	T. İsbir
	11.00-11.50	Chem. of Biomo. :Amino Acids & Proteins	E.Ö. Bayram
	12.00-12.50	Chem. of Biomo. :Amino Acids & Proteins	E.Ö. Bayram
	13.00-13.50		
	14.00-14.50	<b>LAB:</b> Epigeneticis <b>Gr B</b>	M. BIOLOGY
	15.00-15.50	<b>LAB:</b> Epigeneticis <b>Gr B</b>	M. BIOLOGY
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	
<b>12-Dec-2013</b>	09.00-09.50	Biological Mechanisms of Radiation	A. Maharramov
<b>THURSDAY</b>	10.00-10.50	Radiation Safety	A. Maharramov
	11.00-11.50	<b>LAB:</b> Epigeneticis <b>Gr C</b>	M. BIOLOGY
	12.00-12.50	<b>LAB:</b> Epigeneticis <b>Gr C</b>	M. BIOLOGY
	13.00-13.50		
	14.00-14.50	<b>LAB:</b> Vertebral Column, Ribs and Sternum <b>Gr A &amp; Gr B</b>	ANATOMY
	15.00-15.50	<b>LAB:</b> Vertebral Column, Ribs and Sternum <b>Gr A &amp; Gr B</b>	ANATOMY
	16.00-16.50	<b>LAB:</b> Vertebral Column, Ribs and Sternum <b>Gr A &amp; Gr B</b>	ANATOMY
	17.00-17.50	<b>Independent study hours</b>	
<b>13-Dec-2013</b>	09.00-09.50	<b>Independent study hours</b>	
<b>FRIDAY</b>	10.00-10.50	<b>Independent study hours</b>	
	11.00-11.50	Mutations and Polymorphism	T. İsbir
	12.00-12.50	Mutations and Polymorphism	T. İsbir
	13.00-13.50		
	14.00-14.50	<b>LAB :</b> Nucleic Acid Purification <b>Gr A</b>	M. BIOLOGY
	15.00-15.50	<b>LAB :</b> Nucleic Acid Purification <b>Gr A</b>	M. BIOLOGY
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	

## VII. WEEK

<b>16-Dec-2013</b>	09.00-09.50	<b>LAB:</b> Patient-Causalty Transportation / Bandaging Techniques Group III	Ö Tanrıöver & H Akan
<b>MONDAY</b>	10.00-10.50	<b>LAB:</b> Patient-Causalty Transportation / Bandaging Techniques Group III	Ö Tanrıöver & H Akan
	11.00-11.50	<b>LAB:</b> Patient-Causalty Transportation / Bandaging Techniques Group III	Ö Tanrıöver & H Akan
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoğlu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoğlu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
<b>17-Dec-2013</b>	09.00-09.50		
<b>TUESDAY</b>	10.00-10.50	Discussion	K. Yücel
	11.00-11.50	Discussion	K. Yücel
	12.00-12.50	Cell Cycle; Meiosis	A. Cumbul
	13.00-13.50		
	14.00-14.50	Anatomical Drawing	R. Aziz
	15.00-15.50	Anatomical Drawing	R. Aziz
	16.00-16.50	Atatürk's Principles & History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles & History of M. Turkey	D. Ekşi
<b>18-Dec-2012</b>	09.00-09.50	Mendelian Laws and Inheritance	T. İsbir
<b>WEDNESDAY</b>	10.00-10.50	Mendelian Laws and Inheritance	T. İsbir
	11.00-11.50	Problem Hours in Organic Chemistry	E.Ö. Bayram
	12.00-12.50	Problem Hours in Organic Chemistry	E.Ö. Bayram
	13.00-13.50		
	14.00-14.50	<b>LAB : Nucleic Acid Purification Gr B</b>	M. BIOLOGY
	15.00-15.50	<b>LAB : Nucleic Acid Purification Gr B</b>	M. BIOLOGY
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	
<b>19-Dec-2013</b>	09.00-09.50	Mendelian Laws and Inheritance	T. İsbir
<b>THURSDAY</b>	10.00-10.50	Mendelian Laws and Inheritance	T. İsbir
	11.00-11.50	Lasers in Medicine	A. Maharramov
	12.00-12.50	Lasers in Medicine	A. Maharramov
	13.00-13.50		
	14.00-14.50	<b>LAB : Nucleic Acid Purification Gr C</b>	M. BIOLOGY
	15.00-15.50	<b>LAB : Nucleic Acid Purification Gr C</b>	M. BIOLOGY
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	
<b>20-Dec-2013</b>	09.00-09.50	Biological Aspects of Development	T. İsbir
<b>FRIDAY</b>	10.00-10.50	Biological Aspects of Development	T. İsbir
	11.00-11.50	<b>Independent study hours</b>	
	12.00-12.50	<b>Independent study hours</b>	
	13.00-13.50	<b>Independent study hours</b>	
	14.00-14.50	<b>Independent study hours</b>	
	15.00-15.50	<b>Independent study hours</b>	
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	

**VIII. WEEK**

<b>23-Dec-2013 MONDAY</b>	09.00-09.50		
	10.00-10.50		
	11.00-11.50		
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoglu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoglu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
<b>24-Dec-2013 TUESDAY</b>	09.00-09.50		
	10.00-10.50		
	11.00-11.50		
	12.00-12.50		
	13.00-13.50		
	14.00-14.50		
	15.00-15.50		
	16.00-16.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
<b>25-Dec-2013 WEDNESDAY</b>	09.00-09.50		
	10.00-10.50		
	11.00-11.50		
	12.00-12.50		
	13.00-13.50		
	14.00-14.50		
	15.00-15.50		
	16.00-16.50		
	17.00-17.50		
<b>26-Dec-2013 THURSDAY</b>		<b>PRACTICAL EXAM</b>	
<b>27-Dec-2013 FRIDAY</b>	10.00-13.50	<b>THEORETICAL EXAM</b>	

**YEDİTEPE UNIVERSITY  
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PHASE I**

**CELL - COMMITTEE II  
COMMITTEE EXAM ASSESSMENT TABLE**

<b>BASIC MEDICAL SCIENCES I DISCIPLINE</b>	<b>NUMBER OF MCQ*</b>	<b>VALUE OF EMQ**</b>	<b>VALUE OF OSPE***</b>
ANATOMY	14		<b>6 pts</b>
BIOPHYSICS	11		
HISTOLOGY & EMBRYOLOGY	9		
MEDICAL BIOLOGY	33		
MEDICAL HISTORY & ETHICS	5		
MICROBIOLOGY	6		
ORGANIC CHEMISTRY	15		
PHYSIOLOGY	7		<b>4 pts</b>
<b>TOTAL</b>	<b>100</b>	<b>10 pts</b>	<b>10 pts</b>

Total number of multiple choice questions is **100**, equal to **80** pts,

Each multiple choice question has value equal to **0,8** pts,

Extending matching questions have value equal to **10** pts,.

Objective structured practical exams have value equal to **10** pts.

**MCQ\***: Multiple Choice Question

**EMQ\*\***: Extending Matching Question

**OSPE\*\*\***: Objective Structured Practical Exam

**pts**: Points

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**PHASE I**

**TISSUE I – COMMITTEE III**

**DISTRIBUTION of LECTURE HOURS**

**December 30, 2013 - February 21, 2014**

**COMMITTEE DURATION: 6 WEEKS**

		THEO.	PRAC.	TOTAL
MD 120	<b>BASIC MEDICAL SCIENCES I</b>	<b>57</b>	<b>45</b>	<b>102</b>
	<b>DISCIPLINE</b>			
	ANATOMY	17	9	26
	BEHAVIORAL SCIENCES	6	0	6
	BIOPHYSICS	8	0	8
	HISTOLOGY & EMBRYOLOGY	8	12	20
	MEDICAL HISTORY & ETHICS	6	0	6
	PHYSIOLOGY	10	24	34
	SCIENTIFIC PROJECT I	2	0	2

MD 132	ANATOMICAL DRAWING	0	12	12
MD 142	ICP-I	9	3	12
HTR 301-302	ATATURK'S PRINCIPLES & HISTORY OF MODERN TURKEY	4	0	4
HUM 101-102	HUMANITIES	4	2	6
TKL 201-202	TURKISH LANGUAGE & LITERATURE	4	0	4

<b>TOTAL</b>	<b>78</b>	<b>62</b>	<b>140</b>
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<b>III. Coordination Committee</b>	Head	Bayram YILMAZ, PhD Prof.
	Secretary	Deniz KIRAC, MD, PhD Assist. Prof.
	Member	Kaan YÜCEL, MD., PhD Assist. Prof.
	Member	Ünal USLU, MD, Assist. Prof.

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PHASE I**

**TISSUE I – COMMITTEE III  
LECTURERS**

<b>BASIC MEDICAL SCIENCES I</b>	
<b>DISCIPLINE</b>	<b>FACULTY</b>
ANATOMY	Kaan YÜCEL, MD PhD Assist. Prof.
BEHAVIORAL SCIENCES	
BIOPHYSICS	Akif MAHARRAMOV, PhD Assist. Prof.
HISTOLOGY & EMBRYOLOGY	Ünal USLU, MD Assist. Prof.
	Oya ALAGÖZ, MD Assist. Prof.
	Alev CUMBUL PhD Assist. Prof.
MEDICAL HISTORY & ETHICS	Elif VATANOĞLU, MD Assist. Prof.
PHYSIOLOGY	Bayram YILMAZ, PhD Prof.
	Burcu ŞEKER, PhD Assist. Prof.
SCIENTIFIC PROJECT I	Gülderen YANIKKAYA DEMİREL, MD Assoc. Prof.

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

**YEDİTEPE UNIVERSITY  
FACULTY OF MEDICINE  
PHASE I**

**TISSUE I – COMMITTEE III  
AIM AND LEARNING OBJECTIVES**

**AIM**

1. **to convey** basic terms and concepts for anatomy, physiology, embryology, histology, 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. explain anatomical characteristics of joints of the vertebral column and pelvis and their clinical utility.
- 3.0. describe the link between the anatomical characteristics of bones and joints of lower and upper extremities and their clinical reflections.
- 4.0. list general paradigms and basic concepts of psychology.
- 5.0. describe the principles of force development and energy utilization by muscles.
- 6.0. explain muscle contraction mechanism on the basis of Sliding Filament Theory.
- 7.0. explain link between structure and role of tissues.
- 8.0. describe histological characteristics of epithelia and muscle tissue.
- 9.0. explain outlines of reflection of the principles of basic medical ethics to clinical practice.
- 10.0. define membrane and action potentials and sodium/potassium pumps.
- 11.0. list mechanisms of excitation and contraction in skeletal muscle.
- 12.0. explain role of autonomous nervous system in excitation of smooth muscle and heart muscle.
- 13.0. define EMG.

I. WEEK	PHASE I	COMMITTEE III	THE TISSUE I
DAY	HOOR	SUBJECT	LECTURER
<b>30-Dec-2013</b>	09.00-09.50	<b>LAB:</b> Patient-Causalty Transportation / Bandaging Techniques Group IV	Ö Tanrıöver & H Akan
<b>MONDAY</b>	10.00-10.50	<b>LAB:</b> Patient-Causalty Transportation / Bandaging Techniques Group IV	Ö Tanrıöver & H Akan
	11.00-11.50	<b>LAB:</b> Patient-Causalty Transportation / Bandaging Techniques Group IV	Ö Tanrıöver & H Akan
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoğlu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoğlu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
<b>31-Dec-2013</b>	09.00-09.50	<b>Independent study hours</b>	
<b>TUESDAY</b>	10.00-10.50	<b>Independent study hours</b>	
	11.00-11.50	<b>Independent study hours</b>	
	12.00-12.50	<b>Independent study hours</b>	
	13.00-13.50		
	14.00-14.50	Anatomical Drawing	R. Aziz
	15.00-15.50	Anatomical Drawing	R. Aziz
	16.00-16.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
<b>01-Jan-2014</b>		<b>NEW YEAR'S DAY</b>	
<b>WEDNESDAY</b>			
<b>02-Jan-2014</b>	09.00-09.50	<b>Independent study hours</b>	
<b>THURSDAY</b>	10.00-10.50	<b>Independent study hours</b>	
	11.00-11.50	<b>Independent study hours</b>	
	12.00-12.50		
	13.00-13.50	<b>Introduction to Committee III</b>	D. Kırac
	14.00-14.50	Truth Telling	E. Vatanoğlu
	15.00-15.50	Truth Telling	E. Vatanoğlu
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	
<b>03-Jan-2014</b>	09.00-09.50	<b>Independent study hours</b>	
<b>FRIDAY</b>	10.00-10.50	Bones of the Upper Limb	K. Yücel
	11.00-11.50	Bones of the Upper Limb	K. Yücel
	12.00-12.50	The Motor Unit - Neuromuscular Junction	A. Maharramov
	13.00-13.50		
	14.00-14.50	<b>Independent study hours</b>	
	15.00-15.50	<b>Independent study hours</b>	
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	

## II. WEEK

DAY	HOUR	SUBJECT	LECTURER
<b>6-Jan-2014 MONDAY</b>	09.00-09.50	Introduction to Communication Skills	Ö. Tanrıöver
	10.00-10.50	Basic Communication Skills	A. Akalın
	11.00-11.50	Basic Communication Skills	A. Akalın
	12.00-12.50		
	13.00-13.50	Introduction to Arthrology	K. Yücel
	14.00-14.50	Joints of the Upper Limb	K. Yücel
	15.00-15.50	<b>Independent study hours</b>	
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	
<b>7-Jan-2014 TUESDAY</b>	09.00-09.50	Contractile Machinery; Sliding Filament	A. Maharramov
	10.00-10.50	Contractile Machinery; Sliding Filament	A. Maharramov
	11.00-11.50	Histology of Covering Epithelium; Structure, Classification	U. Uslu
	12.00-12.50	Histology of C.Ep.; Surface Specification	U. Uslu
	13.00-13.50		
	14.00-14.50	Membrane Potentials and Action Potentials	B. Yılmaz
	15.00-15.50	Membrane Potentials and Action Potentials	B. Yılmaz
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	
<b>8-Jan-2014 WEDNESDAY</b>	09.00-09.50	Joints of the Upper Limb	K. Yücel
	10.00-10.50	Clinical Anatomy of the Bones and Joints of the Upper Limb	K. Yücel
	11.00-11.50	Histology of Glandular Ep.; Classification	U. Uslu
	12.00-12.50	Histology of Glandular Ep.; Structure	U. Uslu
	13.00-13.50		
	14.00-14.50	<b>LAB: Histology of Epithel Tissue Gr B</b>	HISTOLOGY
	15.00-15.50	<b>LAB: Histology of Epithel Tissue Gr B</b>	HISTOLOGY
	16.00-16.50	How to Read and Write an Article	G. D. Yanikkaya
	17.00-17.50	How to Read and Write an Article	G. D. Yanikkaya
<b>9-Jan-2014 THURSDAY</b>	09.00-09.50	<b>Independent study hours</b>	
	10.00-10.50	<b>Independent study hours</b>	
	11.00-11.50	Confidentiality and Privacy	E. Vatanoğlu
	12.00-12.50	Confidentiality and Privacy	E. Vatanoğlu
	13.00-13.50		
	14.00-14.50	<b>LAB: Bones and Joints of the Upper Limb Gr B &amp; Gr A</b>	ANATOMY
	15.00-15.50	<b>LAB: Bones and joints of the Upper Limb Gr B &amp; Gr A</b>	ANATOMY
	16.00-16.50	<b>LAB: Bones and joints of the Upper Limb Gr B &amp; Gr A</b>	ANATOMY
	17.00-17.50	<b>Independent study hours</b>	
<b>10-Jan-2014 FRIDAY</b>	09.00-09.50	Muscle Mechanics; Muscular Force	A. Maharramov
	10.00-10.50	Muscle Mechanics; Muscular Force	A. Maharramov
	11.00-11.50	Skeleton of the Pelvis	K. Yücel
	12.00-12.50	Skeleton of the Pelvis	K. Yücel
	13.00-13.50		
	14.00-14.50	Skeletal Muscle Physiology	B. Yılmaz
	15.00-15.50	Skeletal Muscle Physiology	B. Yılmaz
	16.00-16.50	<b>LAB: Histology of Epithel Tissue Gr A</b>	HISTOLOGY
	17.00-17.50	<b>LAB: Histology of Epithel Tissue Gr A</b>	HISTOLOGY

### III. WEEK

DAY	HOUR	SUBJECT	LECTURER
<b>13-Jan-2014</b> <b>MONDAY</b>	09.00-09.50	The Medical Interview	G. İzbirak
	10.00-10.50	The Medical Interview	G. İzbirak
	11.00-11.50	Interviewing Techniques	G. İzbirak
	12.00-12.50		
	13.00-13.50	Contraction of Skeletal Muscle	B. Yılmaz
	14.00-14.50	Neuromuscular Transmission	B. Yılmaz
	15.00-15.50	<b>LAB: EMG I Gr A</b>	PHYSIOLOGY
	16.00-16.50	<b>LAB: EMG I Gr A</b>	PHYSIOLOGY
	17.00-17.50	<b>Independent study hours</b>	
<b>14-Jan-2014</b> <b>TUESDAY</b>	09.00-09.50	Joints of the Vertebral Column	K. Yücel
	10.00-10.50	Clinical Anatomy of the Pelvis	K. Yücel
	11.00-11.50	Histology of Muscle Tissue; General Specification	O. Alagöz
	12.00-12.50	Histology of Striated Skeletal Muscle	O. Alagöz
	13.00-13.50		
	14.00-14.50	<b>LAB: Pelvis &amp; Joints of the Vertebral Column Gr A &amp; Gr B</b>	ANATOMY
	15.00-15.50	<b>LAB: Pelvis &amp; Joints of the Vertebral Column Gr A &amp; Gr B</b>	ANATOMY
	16.00-16.50	<b>LAB: Pelvis &amp; Joints of the Vertebral Column Gr A &amp; Gr B</b>	ANATOMY
	17.00-17.50	<b>Independent study hours</b>	
<b>15-Jan-2014</b> <b>WEDNESDAY</b>	09.00-09.50	<b>Independent study hours</b>	
	10.00-10.50	Molecular Events in Muscle Fiber Contraction	A. Maharramov
	11.00-11.50	Biomedical Ethics in Turkey and Abroad	E. Vatanoğlu
	12.00-12.50	Biomedical Ethics in Turkey and Abroad	E. Vatanoğlu
	13.00-13.50		
	14.00-14.50	<b>LAB: EMG I Gr B</b>	PHYSIOLOGY
	15.00-15.50	<b>LAB: EMG I Gr B</b>	PHYSIOLOGY
	16.00-16.50	<b>LAB: EMG I Gr C</b>	PHYSIOLOGY
	17.00-17.50	<b>LAB: EMG I Gr C</b>	PHYSIOLOGY
<b>16-Jan-2014</b> <b>THURSDAY</b>	09.00-09.50	Bones of the Lower Limb	K Yücel
	10.00-10.50	Bones of the Lower Limb	K Yücel
	11.00-11.50	Biophysics: Smooth Muscle	A. Maharramov
	12.00-12.50	Energy for Muscle Contraction	A. Maharramov
	13.00-13.50		
	14.00-14.50	<b>LAB: EMG II Gr A</b>	PHYSIOLOGY
	15.00-15.50	<b>LAB: EMG II Gr A</b>	PHYSIOLOGY
	16.00-16.50	<b>LAB: EMG II Gr B</b>	PHYSIOLOGY
	17.00-17.50	<b>LAB: EMG II Gr B</b>	PHYSIOLOGY
<b>17-Jan-2014</b> <b>FRIDAY</b>	09.00-09.50	<b>LAB: EMG II Gr C</b>	PHYSIOLOGY
	10.00-10.50	<b>LAB: EMG II Gr C</b>	PHYSIOLOGY
	11.00-11.50	<b>Independent study hours</b>	
	12.00-12.50	<b>Independent study hours</b>	
	13.00-13.50		
	14.00-14.50	<b>Independent study hours</b>	
	15.00-15.50	<b>Independent study hours</b>	
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	

**MIDTERM BREAK**  
**20 JAN 2014 - 02 FEB 2014**

**IV. WEEK**

<b>DAY</b>	<b>HOUR</b>	<b>SUBJECT</b>	<b>LECTURER</b>
<b>3-Feb-2014</b> <b>MONDAY</b>	09.00-09.50	<b>ICP MIDTERM EXAM</b>	
	10.00-10.50	<b>ICP MIDTERM EXAM</b>	
	11.00-11.50	<b>ICP MIDTERM EXAM</b>	
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoglu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoglu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
<b>4-Feb-2014</b> <b>TUESDAY</b>	09.00-09.50	<b>Independent study hours</b>	
	10.00-10.50	Introduction to Behavioral Science	BEHAVIORAL SCI.
	11.00-11.50	Introduction to Behavioral Science	BEHAVIORAL SCI.
	12.00-12.50	Introduction to Behavioral Science	BEHAVIORAL SCI.
	13.00-13.50		
	14.00-14.50	Anatomical Drawing	R. Aziz
	15.00-15.50	Anatomical Drawing	R. Aziz
	16.00-16.50	Atatürk's Principles & History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles & History of M. Turkey	D. Ekşi
<b>5-Feb-2014</b> <b>WEDNESDAY</b>	09.00-09.50	Histology of Heart Muscle	O. Alagöz
	10.00-10.50	Histology of Smooth Muscle	O. Alagöz
	11.00-11.50	Joints of the Lower Limb	K. Yücel
	12.00-12.50	Joints of the Lower Limb	K. Yücel
	13.00-13.50		
	14.00-14.50	Invited Speaker	
	15.00-15.50	Invited Speaker	
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	
<b>6-Feb-2014</b> <b>THURSDAY</b>	09.00-09.50	Smooth Muscle Physiology	B. Yılmaz
	10.00-10.50	Smooth Muscle Physiology	B. Yılmaz
	11.00-11.50	<b>LAB: Histology of Muscle Tissue Gr A</b>	HISTOLOGY
	12.00-12.50	<b>LAB: Histology of Muscle Tissue Gr A</b>	HISTOLOGY
	13.00-13.50		
	14.00-14.50	<b>LAB: Histology of Muscle Tissue Gr B</b>	HISTOLOGY
	15.00-15.50	<b>LAB: Histology of Muscle Tissue Gr B</b>	HISTOLOGY
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	
<b>7-Feb-2014</b> <b>FRIDAY</b>	09.00-09.50	<b>Independent study hours</b>	
	10.00-10.50	<b>LAB: Smooth Muscle Contractility Gr A</b>	PHYSIOLOGY
	11.00-11.50	<b>LAB: Smooth Muscle Contractility Gr A</b>	PHYSIOLOGY
	12.00-12.50		
	13.00-13.50	<b>LAB: Smooth Muscle Contractility Gr B</b>	PHYSIOLOGY
	14.00-14.50	<b>LAB: Smooth Muscle Contractility Gr B</b>	PHYSIOLOGY
	15.00-15.50	<b>LAB: Smooth Muscle Contractility Gr C</b>	PHYSIOLOGY
	16.00-16.50	<b>LAB: Smooth Muscle Contractility Gr C</b>	PHYSIOLOGY
	17.00-17.50	<b>Independent study hours</b>	

## V. WEEK

DAY	HOUR	SUBJECT	LECTURER
<b>10-Feb-2014</b> <b>MONDAY</b>	09.00-09.50	The Medical History	H. Akan
	10.00-10.50	The Medical History	H. Akan
	11.00-11.50	Giving Information	Ö. Tanrıöver
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoğlu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoğlu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
<b>11-Feb-2014</b> <b>TUESDAY</b>	09.00-09.50	<b>Independent study hours</b>	
	10.00-10.50	Methodology of Behavioral Science	BEHAVIORAL SCI.
	11.00-11.50	Methodology of Behavioral Science	BEHAVIORAL SCI.
	12.00-12.50	Methodology of Behavioral Science	BEHAVIORAL SCI.
	13.00-13.50		
	14.00-14.50	Anatomical Drawing	R. Aziz
	15.00-15.50	Anatomical Drawing	R. Aziz
	16.00-16.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
<b>12-Feb-2014</b> <b>WEDNESDAY</b>	09.00-09.50	Clinical Anatomy of the Bones and Joints of the Lower Limb	K. Yücel
	10.00-10.50	<b>LAB: Bones and Joints of the Lower Limb Gr B &amp; Gr A</b>	ANATOMY
	11.00-11.50	<b>LAB: Bones and Joints of the Lower Limb Gr B &amp; Gr A</b>	ANATOMY
	12.00-12.50	<b>LAB: Bones and Joints of the Lower Limb Gr B &amp; Gr A</b>	ANATOMY
	13.00-13.50		
	14.00-14.50	<b>LAB: Discussion Gr B</b>	HISTOLOGY
	15.00-15.50	<b>LAB: Discussion Gr B</b>	HISTOLOGY
	16.00-16.50	<b>LAB: Cardiac Muscle with PhysioEx Gr B</b>	PHYSIOLOGY
	17.00-17.50	<b>LAB: Cardiac Muscle with PhysioEx Gr B</b>	PHYSIOLOGY
<b>13-Feb-2014</b> <b>THURSDAY</b>	09.00-09.50	Physiology of Cardiac Muscle	B. Yılmaz
	10.00-10.50	Physiology of Cardiac Muscle	B. Yılmaz
	11.00-11.50	<b>LAB: Cardiac Muscle with PhysioEx Gr C</b>	PHYSIOLOGY
	12.00-12.50	<b>LAB: Cardiac Muscle with PhysioEx Gr C</b>	PHYSIOLOGY
	13.00-13.50		
	14.00-14.50	<b>LAB: Cardiac Muscle with PhysioEx Gr B</b>	PHYSIOLOGY
	15.00-15.50	<b>LAB: Cardiac Muscle with PhysioEx Gr B</b>	PHYSIOLOGY
	16.00-16.50	Discussion	K Yücel
	17.00-17.50	Discussion	K Yücel
<b>14-Feb-2014</b> <b>FRIDAY</b>	09.00-09.50	<b>LAB: Cardiac Muscle with PhysioEx Gr A</b>	PHYSIOLOGY
	10.00-10.50	<b>LAB: Cardiac Muscle with PhysioEx Gr A</b>	PHYSIOLOGY
	11.00-11.50	<b>LAB: Discussion Gr A</b>	HISTOLOGY
	12.00-12.50	<b>LAB: Discussion Gr A</b>	HISTOLOGY
	13.00-13.50		
	14.00-14.50	<b>Independent study hours</b>	
	15.00-15.50	<b>Independent study hours</b>	
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	

**VI. WEEK**

<b>DAY</b>	<b>HOUR</b>	<b>SUBJECT</b>	<b>LECTURER</b>
<b>17-Feb-2014</b> <b>MONDAY</b>	09.00-09.50		
	10.00-10.50		
	11.00-11.50		
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoglu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoglu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
<b>18-Feb-2014</b> <b>TUESDAY</b>	09.00-09.50		
	10.00-10.50		
	11.00-11.50		
	12.00-12.50		
	13.00-13.50		
	14.00-14.50		
	15.00-15.50		
	16.00-16.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
<b>19-Feb-2014</b> <b>WEDNESDAY</b>	09.00-09.50		
	10.00-10.50	<b>PRACTICAL EXAM OF HISTOLOGY</b>	
	11.00-11.50		
	12.00-12.50		
	13.00-13.50		
	14.00-14.50		
	15.00-15.50		
	16.00-16.50		
	17.00-17.50		
<b>20-Feb-2014</b> <b>THURSDAY</b>	09.00-09.50		
	10.00-10.50	<b>PRACTICAL EXAM</b>	
	11.00-11.50		
	12.00-12.50		
	13.00-13.50		
	14.00-14.50		
	15.00-15.50		
	16.00-16.50		
	17.00-17.50		
<b>21-Feb-2014</b> <b>FRIDAY</b>	09.00-09.50		
	10.00-10.50	<b>THEORETICAL EXAM</b>	
	11.00-11.50	<b>THEORETICAL EXAM</b>	
	12.00-12.50	<b>THEORETICAL EXAM</b>	
	13.00-13.50	<b>THEORETICAL EXAM</b>	
	14.00-14.50		
	15.00-15.50		
	16.00-16.50		
	17.00-17.50		

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FACULTY OF MEDICINE  
PHASE I**

**TISSUE I - COMMITTEE III  
COMMITTEE EXAM ASSESSMENT TABLE**

<b>BASIC MEDICAL SCIENCES I DISCIPLINE</b>	<b>NUMBER OF MCQ*</b>	<b>VALUE OF EMQ**</b>	<b>VALUE OF OSPE***</b>
ANATOMY	28		<b>3 pts</b>
BIOPHYSICS	8		
BEHAVIORAL SCIENCES	10		
HISTOLOGY & EMBRYOLOGY	18		<b>4 pts</b>
MEDICAL HISTORY & ETHICS	8		
PHYSIOLOGY	28		<b>8 pts</b>
<b>TOTAL</b>	<b>100</b>	<b>10 pts</b>	<b>15 pts</b>

Total number of multiple choice questions is **100**, equal to **75** pts,  
Each multiple choice question has value equal to **0,75** pts,  
Extending matching questions have value equal to **10** pts,  
Objective structured practical exams have value equal to **15** pts.

**MCQ\***: Multiple Choice Question

**EMQ\*\***: Extending Matching Question

**OSPE\*\*\***: Objective Structured Practical Exam

**pts**: Points

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**TISSUE II – COMMITTEE IV**

**DISTRIBUTION of LECTURE HOURS**

**February 24, 2014 - April 18, 2014**

**COMMITTEE DURATION: 8 WEEKS**

		THEO.	PRAC.	TOTAL
	<b>BASIC MEDICAL SCIENCES I</b>	<b>104</b>	<b>52</b>	<b>156</b>
<b>MD 120</b>	<b>DISCIPLINE</b>			
	ANATOMY	20	21	41
	BEHAVIORAL SCIENCES	21	0	21
	BIOCHEMISTRY	30	9	39
	BIOSTATISTICS	12	0	12
	HISTOLOGY & EMBRYOLOGY	13	16	29
	MEDICAL BIOLOGY	8	6	14

<b>MD 132</b>	<b>ANATOMICAL DRAWING</b>	0	14	14
<b>MD 142</b>	<b>ICP-I</b>	0	21	21
<b>HTR 301-302</b>	<b>ATATURK'S PRINCIPLES &amp; HISTORY OF MODERN TURKEY</b>	16	0	16
<b>HUM 101-102</b>	<b>HUMANITIES</b>	16	8	24
<b>TKL 201-202</b>	<b>TURKISH LANGUAGE &amp; LITERATURE</b>	16	0	16

<b>TOTAL</b>	<b>152</b>	<b>95</b>	<b>247</b>
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<b>IV. Coordination Committee</b>	Head	İnci ÖZDEN, PhD Prof.
	Secretary	Kaan YÜCEL, MD., PhD Assist. Prof.
	Member	Alev CUMBUL PhD Assist. Prof.
	Member	Çiğdem KASPAR, PhD Assist. Prof.

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**TISSUE II – COMMITTEE IV  
LECTURERS**

<b>BASIC MEDICAL SCIENCES I</b>	
<b>DISCIPLINE</b>	<b>FACULTY</b>
ANATOMY	Kaan YÜCEL, MD., PhD Assist. Prof.
BEHAVIORAL SCIENCES	
BIOCHEMISTRY	İnci ÖZDEN, PhD Prof. Jale ÇOBAN MD Assoc.Prof.
BIOSTATISTICS	Çiğdem KASPAR, PhD Assist. Prof.
HISTOLOGY & EMBRYOLOGY	Ünal USLU, MD Assist. Prof. Alev CUMBUL PhD Assist. Prof.
MEDICAL BIOLOGY	Turgay İSBİR, PhD Prof. Deniz KIRAÇ, PhD, Assist. Prof. Soner DOĞAN, PhD Assist. Prof.

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

**YEDİTEPE UNIVERSITY  
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PHASE I**

**TISSUE II – COMMITTEE IV  
AIM AND LEARNING OBJECTIVES**

**AIM**

1. **to convey** basic terms and concepts for anatomy, embryology, histology, biostatistics, 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, back and chest area muscles.
- 3.0. describe the clinical implications of the anatomical features of the upper limb.
- 4.0. define consciousness, altered states of consciousness, stages of sleep, and measurement of intelligence.
- 5.0. describe Piaget's cognitive development theory, attitudes, cognitive dissonance, experiments on conformity, obedience, halo effect, and management of authority.
- 6.0. explain classical conditioning, operant conditioning, punishment, reinforcement, reinforcement schedules, extinction, spontaneous recovery, and social-cognitive learning.
- 7.0. for carbohydrates, lipids, proteins, and nucleotides;
  - 7.1. describe their structure.
  - 7.2. define their structural and biochemical functions in tissues.
- 8.0. for enzymes;
  - 8.1. explain the general properties of enzymes.
  - 8.2. describe the kinetics of enzymes.
  - 8.3. list the enzymes of the respiratory chain in the order of their arrangement.
  - 8.4. explain the function of each enzyme of the respiratory chain
  - 8.5. explain the functions of enzymes involved in removal of Reactive Oxygen Species (ROS).
- 9.0. for substrate level phosphorylation;
  - 10.1. explain the mechanism.
  - 10.2. list the metabolic pathways.
- 10.0. count distribution types and properties in statistics.
- 11.0. for connective tissue;
  - 11.1. explain general specification.
  - 11.2. classify connective tissue proper.
- 12.0. for cartilage and bone tissue;
  - 12.1. explain general microscopic characteristics.
  - 12.2. list ossification steps.
- 13.0. for nervous tissue;
  - 13.1. define general histologic structure.
  - 13.2. list neuron and glia types.
- 14.0. recognize the components of extracellular matrix and their interactions with each other.

I. WEEK	PHASE I	COMMITTEE IV	THE TISSUE II
DAY	HOOR	SUBJECT	LECTURER
24-Feb-2014  MONDAY	09.00-09.50	<b>CSL*</b> : Patient-Doctor Communication Skills General Approach Group I	H Akan & Ö Tanrıöver
	10.00-10.50	<b>CSL*</b> : Patient Doctor Communication Skills General Approach Group I	H Akan & Ö Tanrıöver
	11.00-11.50	<b>CSL*</b> : Patient Doctor Communication Skills General Approach Group I	H Akan & Ö Tanrıöver
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoglu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoglu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
	25-Feb-2014 TUESDAY	09.00-09.50	<b>Introduction to Committee IV</b>
10.00-10.50		Mind, Consciousness and Alternate States	BEHAVIORAL SCI.
11.00-11.50		Mind, Consciousness and Alternate States	BEHAVIORAL SCI.
12.00-12.50		Mind, Consciousness and Alternate States	BEHAVIORAL SCI.
13.00-13.50			
14.00-14.50		Anatomical Drawing	R. Aziz
15.00-15.50		Anatomical Drawing	R. Aziz
16.00-16.50		Atatürk's Principles& History of M. Turkey	D. Ekşi
17.00-17.50		Atatürk's Principles& History of M. Turkey	D. Ekşi
26-Feb-2014 WEDNESDAY		09.00-09.50	Introduction to Peripheral Nervous System
	10.00-10.50	Introduction to Cardiovascular System Anatomy	K. Yücel
	11.00-11.50	Histology of Connective Tissue; Extraxellular Amorphous Matrix	A. Cumbul
	12.00-12.50	Histology of Connective Tissue; Extraxellular Fibrillary Matrix	A. Cumbul
	13.00-13.50		
	14.00-14.50	Extracellular Matrix	T. İsbir
	15.00-15.50	Extracellular Matrix	T. İsbir
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	
	27-Feb-2014 THURSDAY	09.00-09.50	Axilla and Brachial Plexus
10.00-10.50		Axilla and Brachial Plexus	K Yücel
11.00-11.50		Classification of Carbohydrates, Their General Features	İ. Özden
12.00-12.50		Classification of Carbohydrates, Their General Features	İ. Özden
13.00-13.50			
14.00-14.50		<b>LAB: Axilla and Brachial Plexus Gr A Gr B</b>	ANATOMY
15.00-15.50		<b>LAB: Axilla and Brachial Plexus Gr A Gr B</b>	ANATOMY
16.00-16.50		<b>LAB: Axilla and Brachial Plexus Gr A Gr B</b>	ANATOMY
17.00-17.50		<b>Independent study hours</b>	
28-Feb-2014 FRIDAY		09.00-09.50	Main Concepts in Biostatistics
	10.00-10.50	Main Concepts in Biostatistics	Ç. Kaspar
	11.00-11.50	Monosaccharide Derivatives	İ. Özden
	12.00-12.50	Monosaccharide Derivatives	İ. Özden
	13.00-13.50		
	14.00-14.50	Extracellular Matrix	T. İsbir
	15.00-15.50	Extracellular Matrix	T. İsbir
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	
		*CSL:	Clinical Skills Laboratory

II. WEEK DAY	HOUR	SUBJECT	LECTURER
<b>3-Mar-2014</b> <b>MONDAY</b>	09.00-09.50	<b>CSL:</b> Patient-Doctor Communication Skills General Approach Group II	H. Akan & Ö. Tanrıöver
	10.00-10.50	<b>CSL:</b> Patient Doctor Communication Skills General Approach Group II	H. Akan & Ö. Tanrıöver
	11.00-11.50	<b>CSL:</b> Patient Doctor Communication Skills General Approach Group II	H. Akan & Ö. Tanrıöver
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoğlu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoğlu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
<b>4-Mar-2014</b> <b>TUESDAY</b>	09.00-09.50	<b>Independent study hours</b>	
	10.00-10.50	Learning and Behaviour Modification	BEHAVIORAL SCI.
	11.00-11.50	Learning and Behaviour Modification	BEHAVIORAL SCI.
	12.00-12.50	Learning and Behaviour Modification	BEHAVIORAL SCI.
	13.00-13.50		
	14.00-14.50	Anatomical Drawing	R. Aziz
	15.00-15.50	Anatomical Drawing	R. Aziz
	16.00-16.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
<b>5-Mar-2014</b> <b>WEDNESDAY</b>	09.00-09.50	Introduction to Myology	K. Yücel
	10.00-10.50	Superficial Muscles of the Back & Thoracic Wall	K. Yücel
	11.00-11.50	Histology of Connective Tissue; Cells	A Cumbul
	12.00-12.50	Histology of Connective Tissue; Types	A Cumbul
	13.00-13.50		
	14.00-14.50	Extracellular Matrix	T. İsbir
	15.00-15.50	Extracellular Matrix	T. İsbir
	16.00-16.50	Thoracic Wall	K. Yücel
	17.00-17.50	<b>Independent study hours</b>	
<b>6-Mar-2014</b> <b>THURSDAY</b>	09.00-09.50	Biology of Oxidative Stress	T. İsbir
	10.00-10.50	Biology of Oxidative Stress	T. İsbir
	11.00-11.50	Disaccharides, Polysaccharides: Glycogen, Starch	İ. Özden
	12.00-12.50	Disaccharides, Polysaccharides: Glycogen, Starch	İ. Özden
	13.00-13.50		
	14.00-14.50	<b>LAB:</b> Superficial Muscles of the Back & Thoracic Wall <b>Gr B &amp; A</b>	ANATOMY
	15.00-15.50	<b>LAB:</b> Superficial Muscles of the Back & Thoracic Wall <b>Gr B &amp; A</b>	ANATOMY
	16.00-16.50	<b>LAB:</b> Superficial Muscles of the Back & Thoracic Wall <b>Gr B &amp; A</b>	ANATOMY
	17.00-17.50	<b>Independent study hours</b>	
<b>7-Mar-2014</b> <b>FRIDAY</b>	09.00-09.50	Frequency Distributions	Ç. Kaspar
	10.00-10.50	Frequency Distributions	Ç. Kaspar
	11.00-11.50	Glycosaminoglycans: Structures and Functions	İ. Özden
	12.00-12.50	Glycosaminoglycans: Structures and Functions	İ. Özden
	13.00-13.50		
	14.00-14.50	<b>LAB:</b> Histology of Connective Tissue <b>Gr A</b>	HISTOLOGY
	15.00-15.50	<b>LAB:</b> Histology of Connective Tissue <b>Gr A</b>	HISTOLOGY
	16.00-16.50	<b>LAB:</b> Histology of Connective Tissue <b>Gr B</b>	HISTOLOGY
	17.00-17.50	<b>LAB:</b> Histology of Connective Tissue <b>Gr B</b>	HISTOLOGY

### III. WEEK

DAY	HOUR	SUBJECT	LECTURER
<b>10-Mar-2010</b>	09.00-09.50	<b>CSL:</b> Patient-Doctor Communication Skills General Approach Group III	H. Akan & Ö. Tanrıöver
<b>MONDAY</b>	10.00-10.50	<b>CSL:</b> Patient Doctor Communication Skills General Approach Group III	H. Akan & Ö. Tanrıöver
	11.00-11.50	<b>CSL:</b> Patient Doctor Communication Skills General Approach Group III	H. Akan & Ö. Tanrıöver
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoglu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoglu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
<b>11-Mar-2014</b>	09.00-09.50	<b>Independent study hours</b>	
<b>TUESDAY</b>	10.00-10.50	Cognitive Development	BEHAVIORAL SCI.
	11.00-11.50	Cognitive Development	BEHAVIORAL SCI.
	12.00-12.50	Cognitive Development	BEHAVIORAL SCI.
	13.00-13.50		
	14.00-14.50	Anatomical Drawing	R. Aziz
	15.00-15.50	Anatomical Drawing	R. Aziz
	16.00-16.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
<b>12-Mar-2014</b>	09.00-09.50	<b>Independent study hours</b>	
<b>WEDNESDAY</b>	10.00-10.50	Shoulder	K. Yücel
	11.00-11.50	Histology of Cartilage Tissue; General Spec.	U. Uslu
	12.00-12.50	Histology of Cartilage Tissue; Types	U. Uslu
	13.00-13.50		
	14.00-14.50	<b>LAB:</b> BIOCHEMISTRY Gr A	BIOCHEMISTRY
	15.00-15.50	<b>LAB:</b> BIOCHEMISTRY Gr A	BIOCHEMISTRY
	16.00-16.50	<b>LAB:</b> BIOCHEMISTRY Gr A	BIOCHEMISTRY
	17.00-17.50	<b>Independent study hours</b>	
<b>13-Mar-2014</b>	09.00-09.50	<b>Independent study hours</b>	
<b>THURSDAY</b>	10.00-10.50	Arm	K. Yücel
	11.00-11.50	Classification of Lipids, General Features	İ. Özden
	12.00-12.50	Saturated and Unsaturated Fatty Acids, Essential Fatty Acids	İ. Özden
	13.00-13.50		
	14.00-14.50	<b>LAB:</b> Shoulder and Arm <b>Group A Group B</b>	ANATOMY
	15.00-15.50	<b>LAB:</b> Shoulder and Arm <b>Group A Group B</b>	ANATOMY
	16.00-16.50	<b>LAB:</b> Shoulder and Arm <b>Group A Group B</b>	ANATOMY
	17.00-17.50	<b>Independent study hours</b>	
<b>14-Mar-2014</b>		<b>PHYSICIAN'S DAY</b>	
<b>FRIDAY</b>			

#### IV. WEEK

DAY	HOUR	SUBJECT	LECTURER
17-Mar-2014	09.00-09.50	<b>CSL:</b> Patient-Doctor Communication Skills General Approach Group IV	H Akan & Ö Tanrıöver & A Akalın
MONDAY	10.00-10.50	<b>CSL:</b> Patient Doctor Communication Skills General Approach Group IV	H Akan & Ö Tanrıöver & A Akalın
	11.00-11.50	<b>CSL:</b> Patient Doctor Communication Skills General Approach Group IV	H Akan & Ö Tanrıöver & A Akalın
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoğlu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoğlu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
18-Mar-2014	09.00-09.50	<b>Independent study hours</b>	
TUESDAY	10.00-10.50	Social Development	BEHAVIORAL SCI.
	11.00-11.50	Social Development	BEHAVIORAL SCI.
	12.00-12.50	Social Development	BEHAVIORAL SCI.
	13.00-13.50		
	14.00-14.50	Anatomical Drawing	R. Aziz
	15.00-15.50	Anatomical Drawing	R. Aziz
	16.00-16.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
19-Mar-2014	09.00-09.50	Anterior Aspect of the Forearm and the Cubital Fossa	K. Yücel
WEDNESDAY	10.00-10.50	Anterior Aspect of the Forearm and the Cubital Fossa	K. Yücel
	11.00-11.50	Histology of Bone Tissue; General Specification	U. Uslu
	12.00-12.50	Histology of Bone Tissue; Microscopic Structure	U. Uslu
	13.00-13.50		
	14.00-14.50	<b>LAB:</b> BIOCHEMISTRY Gr B	BIOCHEMISTRY
	15.00-15.50	<b>LAB:</b> BIOCHEMISTRY Gr B	BIOCHEMISTRY
	16.00-16.50	<b>LAB:</b> BIOCHEMISTRY Gr B	BIOCHEMISTRY
	17.00-17.50	<b>Independent study hours</b>	
20-Mar-2014	09.00-09.50	<b>Independent study hours</b>	
THURSDAY	10.00-10.50	Histology of Bone Tissue; Ossification	U Uslu
	11.00-11.50	Triacylglycerols, Phospholipids	İ. Özden
	12.00-12.50	Isoprene Derivatives, Steroids, Eicosanoids	İ. Özden
	13.00-13.50		
	14.00-14.50	<b>LAB:</b> Ant.Aspect of Forearm & Cubital Fossa Gr. B&A	ANATOMY
	15.00-15.50	<b>LAB:</b> Ant.Aspect of Forearm & Cubital Fossa Gr. B&A	ANATOMY
	16.00-16.50	<b>LAB:</b> Ant.Aspect of Forearm & Cubital Fossa Gr. B&A	ANATOMY
	17.00-17.50		
21-Mar-2014	09.00-09.50	Graphics	Ç. Kaspar
FRIDAY	10.00-10.50	Measures of Central Tendency	Ç. Kaspar
	11.00-11.50	Steroides, Eicosanoids	İ. Özden
	12.00-12.50	Steroides, Eicosanoids	İ. Özden
	13.00-13.50		
	14.00-14.50	<b>LAB:</b> Histology of Bone and Cartilage Gr B	HISTOLOGY
	15.00-15.50	<b>LAB:</b> Histology of Bone and Cartilage Gr B	HISTOLOGY
	16.00-16.50	<b>LAB:</b> Histology of Bone and Cartilage Gr A	HISTOLOGY
	17.00-17.50	<b>LAB:</b> Histology of Bone and Cartilage Gr A	HISTOLOGY

**V. WEEK**

<b>DAY</b>	<b>HOUR</b>	<b>SUBJECT</b>	<b>LECTURER</b>
<b>24-Mar-2014</b>	09.00-09.50	<b>CSL:</b> Patient-Doctor Communication Skills Using SPs Group I	G. İzbirak & A Akalın
<b>MONDAY</b>	10.00-10.50	<b>CSL:</b> Patient-Doctor Communication Skills Using SPs Group I	G. İzbirak & A Akalın
	11.00-11.50	<b>CSL:</b> Patient-Doctor Communication Skills Using SPs Group I	G. İzbirak & A Akalın
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoğlu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoğlu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
<b>25-Mar-2014</b>	09.00-09.50	<b>Independent study hours</b>	
<b>TUESDAY</b>	10.00-10.50	Intelligence	BEHAVIORAL SCI.
	11.00-11.50	Intelligence	BEHAVIORAL SCI.
	12.00-12.50	Intelligence	BEHAVIORAL SCI.
	13.00-13.50		
	14.00-14.50	Anatomical Drawing	R. Aziz
	15.00-15.50	Anatomical Drawing	R. Aziz
	16.00-16.50	Atatürk's Principles & History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles & History of M. Turkey	D. Ekşi
<b>26-Mar-2014</b>	09.00-09.50	<b>Independent study hours</b>	
<b>WEDNESDAY</b>	10.00-10.50	Posterior aspect of the forearm	K Yücel
	11.00-11.50	Histology of Nervous Tissue; General Spec.	U Uslu
	12.00-12.50	Histology of Nervous Tissue; Function	U Uslu
	13.00-13.50		
	14.00-14.50	<b>LAB: BIOCHEMISTRY Gr C</b>	BIOCHEMISTRY
	15.00-15.50	<b>LAB: BIOCHEMISTRY Gr C</b>	BIOCHEMISTRY
	16.00-16.50	<b>LAB: BIOCHEMISTRY Gr C</b>	BIOCHEMISTRY
	17.00-17.50	<b>Independent study hours</b>	
<b>27-Mar-2014</b>	09.00-09.50	<b>Independent study hours</b>	
<b>THURSDAY</b>	10.00-10.50	Anatomy of the hand	K. Yücel
	11.00-11.50	Proteins: classification, general features	İ. Özden
	12.00-12.50	Proteins: classification, general features	İ. Özden
	13.00-13.50		
	14.00-14.50	Amino acids, amino acid derivatives	İ. Özden
	15.00-15.50	<b>LAB: Posterior aspect of the forearm Gr. A &amp; B</b>	ANATOMY
	16.00-16.50	<b>LAB: Posterior aspect of the forearm Gr. A Gr. B</b>	ANATOMY
	17.00-17.50	<b>LAB: Posterior aspect of the forearm Gr. A Gr. B</b>	ANATOMY
<b>28-Mar-2014</b>	09.00-09.50	Measures of central tendency	Ç. Kaspar
<b>FRIDAY</b>	10.00-10.50	Measures of central tendency	Ç. Kaspar
	11.00-11.50	Glutathione: structure and functions	İ. Özden
	12.00-12.50	Glycoproteins: structure and function	İ. Özden
	13.00-13.50		
	14.00-14.50	Glycoproteins: structure and function	İ. Özden
	15.00-15.50	<b>LAB: Oxidative Stress &amp; Antioxidant System GrA</b>	M BIOLOGY
	16.00-16.50	<b>LAB: Oxidative Stress &amp; Antioxidant System GrA</b>	M BIOLOGY
	17.00-17.50	<b>Independent study hours</b>	

## VI. WEEK

DAY	HOUR	SUBJECT	LECTURER
<b>31-Mar-2014</b>	09.00-09.50	<b>CSL:</b> Patient-Doctor Communication Skills Using SPs Group II	G. İzbirak & A Akalın
<b>MONDAY</b>	10.00-10.50	<b>CSL:</b> Patient-Doctor Communication Skills Using SPs Group II	G. İzbirak & A Akalın
	11.00-11.50	<b>CSL:</b> Patient-Doctor Communication Skills Using SPs Group II	G. İzbirak & A Akalın
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoğlu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoğlu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
<b>1-April-2014</b>	09.00-09.50	<b>Independent study hours</b>	
<b>TUESDAY</b>	10.00-10.50	Social Cognition and Emotion	BEHAVIORAL SCI.
	11.00-11.50	Social Cognition and Emotion	BEHAVIORAL SCI.
	12.00-12.50	Social Cognition and Emotion	BEHAVIORAL SCI.
	13.00-13.50		
	14.00-14.50	Anatomical Drawing	R. Aziz
	15.00-15.50	Anatomical Drawing	R. Aziz
	16.00-16.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
<b>2-April-2014</b>	09.00-09.50	Nerves and Vasculature of the Upper Limb	K. Yücel
<b>WEDNESDAY</b>	10.00-10.50	Nerves and Vasculature of the Upper Limb	K. Yücel
	11.00-11.50	Histology of Nervous Tissue; Neuron Types	U. Uslu
	12.00-12.50	Histology of Nervous Tissue; Glia Types	U. Uslu
	13.00-13.50		
	14.00-14.50	<b>LAB:</b> Histology of Nervous Tissue <b>Gr A</b>	HISTOLOGY
	15.00-15.50	<b>LAB:</b> Histology of Nervous Tissue <b>Gr A</b>	HISTOLOGY
	16.00-16.50	<b>LAB:</b> Histology of Nervous Tissue <b>Gr B</b>	HISTOLOGY
	17.00-17.50	<b>LAB:</b> Histology of Nervous Tissue <b>Gr B</b>	HISTOLOGY
<b>3-April-2014</b>	09.00-09.50	<b>LAB:</b> Oxidative Stress & Antioxidant System <b>GrB</b>	M BIOLOGY
<b>THURSDAY</b>	10.00-10.50	<b>LAB:</b> Oxidative Stress & Antioxidant System <b>GrB</b>	M BIOLOGY
	11.00-11.50	Structures of Proteins	İ. Özden
	12.00-12.50	Fibrous and Globular Proteins	İ. Özden
	13.00-13.50		
	14.00-14.50	Nucleotides	İ. Özden
	15.00-15.50	<b>LAB:</b> Anatomy of the Hand <b>Gr. B &amp; A</b>	ANATOMY
	16.00-16.50	<b>LAB:</b> Anatomy of the Hand <b>Gr. B &amp; A</b>	ANATOMY
	17.00-17.50	<b>LAB:</b> Anatomy of the Hand <b>Gr. B &amp; A</b>	ANATOMY
<b>4-April-2014</b>	09.00-09.50	Measures of Central Dispersion	Ç. Kaspar
<b>FRIDAY</b>	10.00-10.50	Measures of Central Dispersion	Ç. Kaspar
	11.00-11.50	Enzymes: Classification, General Features	İ. Özden
	12.00-12.50	Enzyme Kinetics, Regulatory Enzymes	İ. Özden
	13.00-13.50		
	14.00-14.50	Enzymes of Mitochondrial Electron Transport System	İ. Özden
	15.00-15.50	<b>LAB:</b> Oxidative Stress & Antioxidant System <b>GrC</b>	M BIOLOGY
	16.00-16.50	<b>LAB:</b> Oxidative Stress & Antioxidant System <b>GrC</b>	M BIOLOGY
	17.00-17.50	<b>Independent study hours</b>	

## VII. WEEK

### DAY

7-April-2014

09.00-09.50 **CSL:** Patient-Doctor Communication Skills Using SPs Group III G. İzbırak & A Akalın

MONDAY

10.00-10.50 **CSL:** Patient-Doctor Communication Skills Using SPs Group III G. İzbırak & A Akalın

11.00-11.50 **CSL:** Patient-Doctor Communication Skills Using SPs Group III G. İzbırak & A Akalın

12.00-12.50

13.00-13.50 Turkish Language & Literature B. Selimhocaoğlu

14.00-14.50 Turkish Language & Literature B. Selimhocaoğlu

15.00-15.50 Humanities Conferences

16.00-16.50 Humanities

17.00-17.50 Humanities

8-April-2014  
TUESDAY

09.00-09.50 **Independent study hours**

10.00-10.50 Social Influence and Relations BEHAVIORAL SCI.

11.00-11.50 Social Influence and Relations BEHAVIORAL SCI.

12.00-12.50 Social Influence and Relations BEHAVIORAL SCI.

13.00-13.50

14.00-14.50 Anatomical Drawing R. Aziz

15.00-15.50 Anatomical Drawing R. Aziz

16.00-16.50 Atatürk's Principles & History of M. Turkey D. Ekşi

17.00-17.50 Atatürk's Principles & History of M. Turkey D. Ekşi

9-April-2014  
WEDNESDAY

09.00-09.50 **LAB: DISCUSSION Gr B** HISTOLOGY

10.00-10.50 **LAB: DISCUSSION Gr B** HISTOLOGY

11.00-11.50 Clinical Anatomy of the Upper Limb K. Yücel

12.00-12.50 Clinical Anatomy of the Upper Limb K. Yücel

13.00-13.50

14.00-14.50 Neurological Examination-Upper Limb K. Yücel

15.00-15.50 **LAB: DISCUSSION Gr A** HISTOLOGY

16.00-16.50 **LAB: DISCUSSION Gr A** HISTOLOGY

17.00-17.50 **Independent study hours**

10-April-2014  
THURSDAY

09.00-09.50 Rates and Ratios Ç. Kaspar

10.00-10.50 Standardization of Disease Rates Ç. Kaspar

11.00-11.50 Enzymes involved in Detoxification of ROS İ. Özden

12.00-12.50 Oxidoreductases, Hydrolases, Transferases İ. Özden

13.00-13.50

14.00-14.50 **LAB: Nerves and Vasculature of the Upper Limb Gr A & B** ANATOMY

15.00-15.50 **LAB: Nerves and Vasculature of the Upper Limb Gr A & B** ANATOMY

16.00-16.50 **LAB: Nerves and Vasculature of the Upper Limb Gr A & B** ANATOMY

17.00-17.50 **Independent study hours**

11-April-2014  
FRIDAY

09.00-09.50 Discussion K. Yücel

10.00-10.50 Discussion K. Yücel

11.00-11.50 Lyases, Isomerases, Ligases İ. Özden

12.00-12.50 ATP Production by Substrate Level Phosphorylation İ. Özden

13.00-13.50

14.00-14.50 **Independent study hours**

15.00-15.50 **Independent study hours**

16.00-16.50 **Independent study hours**

17.00-17.50 **Independent study hours**

## VIII. WEEK

### DAY

<b>14-April-2014</b>	09.00-09.50		
<b>MONDAY</b>	10.00-10.50		
	11.00-11.50		
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoğlu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoğlu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
<b>15-April-2014</b>	09.00-09.50		
<b>TUESDAY</b>	10.00-10.50		
	11.00-11.50		
	12.00-12.50		
	13.00-13.50		
	14.00-14.50		
	15.00-15.50		
	16.00-16.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles& History of M. Turkey	D. Ekşi
<b>16-April-2014</b>	09.00-09.50		
<b>WEDNESDAY</b>	10.00-10.50		
	11.00-11.50		
	12.00-12.50		
	13.00-13.50		
	14.00-14.50		
	15.00-15.50		
	16.00-16.50		
	17.00-17.50		
<b>17-April-2014</b>	09.00-09.50	<b>PRACTICAL EXAM</b>	
<b>THURSDAY</b>	10.00-10.50		
	11.00-11.50		
	12.00-12.50		
	13.00-13.50		
	14.00-14.50		
	15.00-15.50		
	16.00-16.50		
	17.00-17.50		
<b>18-April-2014</b>	09.00-09.50		
<b>FRIDAY</b>	10.00-10.50	<b>THEORETICAL EXAM</b>	
	11.00-11.50	<b>THEORETICAL EXAM</b>	
	12.00-12.50	<b>THEORETICAL EXAM</b>	
	13.00-13.50	<b>THEORETICAL EXAM</b>	
	14.00-14.50		
	15.00-15.50	<b>BIostatistics EXAM</b>	
	16.00-16.50	<b>BIostatistics EXAM</b>	
	17.00-17.50		

**YEDİTEPE UNIVERSITY  
FACULTY OF MEDICINE  
PHASE I**

**TISSUE II - COMMITTEE IV  
COMMITTEE EXAM ASSESSMENT TABLE**

<b>BASIC MEDICAL SCIENCES I DISCIPLINE</b>	<b>NUMBER OF MCQ*</b>	<b>VALUE OF EMQ**</b>	<b>VALUE OF OSPE***</b>	<b>VALUE OF WE****</b>
ANATOMY	26		<b>4 pts</b>	
BEHAVIORAL SCIENCES	18			
BIOCHEMISTRY	29			
BIOSTATISTICS				<b>10 pts</b>
HISTOLOGY & EMBRYOLOGY	18		<b>6 pts</b>	
MEDICAL BIOLOGY	9			
<b>TOTAL</b>	<b>100</b>	<b>10 pts</b>	<b>10 pts</b>	<b>10 pts</b>

Total number of multiple choice questions is **100**, equal to **70** pts,

Each multiple choice question has value equal to **0,70** pts,

Extending matching questions have value equal to **10** pts,

Objective structured practical exams have value equal to **10** pts,

Written exam of Biostatistics has equal value **10** pts.

**MCQ\***: Multiple Choice Question

**EMQ\*\***: Extending Matching Question

**OSPE\*\*\***: Objective Structured Practical Exam

**WE\*\*\*\*** : Written Exam of Biostatistics. This exam will be given separately after the committee exam.

**pts**: Points

**YEDİTEPE UNIVERSITY  
FACULTY OF MEDICINE  
PHASE I**

**ENERGY AND METABOLISM – COMMITTEE V**

**DISTRIBUTION of LECTURE HOURS**

**April 21, 2014 - May 29, 2014**

**COMMITTEE DURATION: 6 WEEKS**

		THEO.	PRAC.	TOTAL
<b>MD 120</b>	<b>BASIC MEDICAL SCIENCES I</b>	<b>92</b>	<b>34</b>	<b>126</b>
	<b>DISCIPLINE</b>			
	ANATOMY	16	15	31
	BEHAVIORAL SCIENCES	12	0	12
	BIOCHEMISTRY	26	9	35
	BIostatISTICS	12	6	18
	HISTOLOGY and EMBRYOLOGY	17	4	21
	MEDICAL BIOLOGY	7	0	7
SCIENTIFIC PROJECT I	2	0	2	

<b>MD 132</b>	<b>ANATOMICAL DRAWING</b>	0	8	8
<b>MD 142</b>	<b>ICP-I</b>	0	3	3
<b>HTR 301-302</b>	<b>ATATURK'S PRINCIPLES &amp; HISTORY OF MODERN TURKEY</b>	8	0	8
<b>HUM 101-102</b>	<b>HUMANITIES</b>	8	4	12
<b>TKL 201-202</b>	<b>TURKISH LANGUAGE &amp; LITERATURE</b>	8	0	8

<b>TOTAL</b>	<b>116</b>	<b>49</b>	<b>165</b>
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<b>V. Coordination Committee</b>	Head	Ünal USLU, MD, Assist. Prof.
	Secretary	Çiğdem KASPAR, PhD Assist. Prof.
	Member	Deniz KIRAÇ, PhD Assist.
	Member	Kaan YÜCEL, MD, PhD Assist. Prof.

**YEDİTEPE UNIVERSITY  
FACULTY OF MEDICINE  
PHASE I**

**ENERGY AND METABOLISM – COMMITTEE V  
LECTURERS**

<b>BASIC MEDICAL SCIENCES I</b>	
<b>DISCIPLINE</b>	<b>FACULTY</b>
ANATOMY	Kaan YÜCEL, MD., PhD Assist. Prof.
BEHAVIORAL SCIENCES	
BIOCHEMISTRY	İnci ÖZDEN, PhD Prof. Jale ÇOBAN, MD Assoc.Prof.
BIOSTATISTICS	Çiğdem KASPAR, PhD Assist. Prof.
HISTOLOGY & EMBRYOLOGY	Ünal USLU, MD Assist. Prof. Oya ALAGÖZ, MD Assist. Prof. Alev CUMBUL, PhD Assist. Prof.
MEDICAL BIOLOGY	Turgay İSBİR, PhD Prof. Deniz KIRAÇ, PhD, Assist. Prof. Soner DOĞAN, PhD Assist. Prof.
SCIENTIFIC PROJECT I	Gülderen YANIKKAYA DEMİREL, MD PhD Assoc. Prof.

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

**YEDİTEPE UNIVERSITY**  
**FACULTY OF MEDICINE**  
**PHASE I**

**ENERGY AND METABOLISM - COMMITTEE V**  
**AIMS AND LEARNING OBJECTIVES**

**AIM**

1. **to convey** basic terms and concepts of medical biology, biostatistics, embryology, histology, biochemistry, behavioral sciences, and medical biology.
2. **to convey** knowledge on basic energy mechanisms of the body.
3. **to convey** knowledge on process from zygote to formation of organs.
4. **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;
  - 4.1 explain
  - 4.2 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 the difference between male and female gametogenesis.
- 12.0. list developmental events respectively from zygote to organogenesis.
- 13.0. explain developmental link between embryonic layers and tissues that form organs.
- 14.0. define the features of mitochondrial genome and mutated mitochondrial genes.

I. WEEK	PHASE I	ENERGY AND METABOLISM	COMMITTEE V
DAY	HOUR	SUBJECT	LECTURER
21-Apr-2014 <b>MONDAY</b>	09.00-09.50	<b>CSL:</b> Patient-Doctor Communication Skills Using SPs IV	G. İzbrak & A Akalın
	10.00-10.50	<b>CSL:</b> Patient-Doctor Communication Skills Using SPs IV	G. İzbrak & A Akalın
	11.00-11.50	<b>CSL:</b> Patient-Doctor Communication Skills Using SPs IV	G. İzbrak & A Akalın
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoğlu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoğlu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
	22-Apr-2014 <b>TUESDAY</b>	09.00-09.50	<b>Introduction to Committee V</b>
10.00-10.50		Personality	BEHAVIORAL SCI.
11.00-11.50		Personality	BEHAVIORAL SCI.
12.00-12.50		Personality	BEHAVIORAL SCI.
13.00-13.50			
14.00-14.50		Anatomical Drawing	R. Aziz
15.00-15.50		Anatomical Drawing	R. Aziz
16.00-16.50		Atatürk's Principles & History of M. Turkey	D. Ekşi
17.00-17.50	Atatürk's Principles & History of M. Turkey	D. Ekşi	
23-Apr-2014 <b>WEDNESDAY</b>		<b>NATIONAL HOLIDAY</b>	
24-Apr-2014 <b>THURSDAY</b>	09.00-09.50	<b>Independent study hours</b>	
	10.00-10.50	Gametogenesis; Spermatogenesis	O. Alagöz
	11.00-11.50	Gametogenesis; Oogenesis; Ovarian Cycle	O. Alagöz
	12.00-12.50	Oogenesis; Follicular and Menstruel Cycle	O. Alagöz
	13.00-13.50		
	14.00-14.50	ATP Production by Oxidative Phosphorylation	İ. Özden
	15.00-15.50	ATP Production by Oxidative Phosphorylation	İ. Özden
	16.00-16.50	Fertilization	U. Uslu
17.00-17.50	Abdominal Muscles & Abdominal Wall	K. Yücel	
25-Apr-2014 <b>FRIDAY</b>	09.00-09.50	Probability	Ç. Kaspar
	10.00-10.50	Probability	Ç. Kaspar
	11.00-11.50	ATP Production by Oxidative Phosphorylation	İ. Özden
	12.00-12.50	ATP Production by Oxidative Phosphorylation	İ. Özden
	13.00-13.50		
	14.00-14.50	<b>Independent study hours</b>	
	15.00-15.50	<b>LAB: BIOCHEMISTRY Gr A</b>	BIOCHEMISTRY
	16.00-16.50	<b>LAB: BIOCHEM. Gr A / BIostat. Gr C</b>	BIOCHEMISTRY BIostatISTICS
	17.00-17.50	<b>LAB: BIOCHEM. Gr A / BIostat. Gr C</b>	BIOCHEMISTRY BIostatISTICS

## II. WEEK

DAY	HOUR	SUBJECT	LECTURER
<b>28-Apr-2014</b> <b>MONDAY</b>	09.00-09.50	<b>Independent study hours</b>	
	10.00-10.50	Lumbosacral Plexus	K. Yücel
	11.00-11.50	Gluteal Region	K. Yücel
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoglu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoglu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
<b>29-Apr-2014</b> <b>TUESDAY</b>	09.00-09.50	Psychopathology	BEHAVIORAL SCI.
	10.00-10.50	Psychopathology	BEHAVIORAL SCI.
	11.00-11.50	ATP Production by Oxidative Phosphorylation	İ. Özden
	12.00-12.50	ATP Production by Oxidative Phosphorylation	İ. Özden
	13.00-13.50		
	14.00-14.50	Anatomical Drawing	R. Aziz
	15.00-15.50	Anatomical Drawing	R. Aziz
	16.00-16.50	Atatürk's Principles & History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles & History of M. Turkey	D. Ekşi
<b>30-Apr-2014</b> <b>WEDNESDAY</b>	09.00-09.50	<b>Independent study hours</b>	
	10.00-10.50	Thigh and Popliteal Fossa	K Yücel
	11.00-11.50	Genome of Mitochondria	T. İsbir
	12.00-12.50	Genome of Mitochondria	T. İsbir
	13.00-13.50		
	14.00-14.50	<b>LAB: Lumbosacral Plexus &amp; Gluteal Region</b> <b>Gr. B &amp; A</b>	ANATOMY
	15.00-15.50	<b>LAB: Lumbosacral Plexus &amp; Gluteal Region</b> <b>Gr. B &amp; A</b>	ANATOMY
	16.00-16.50	<b>LAB: Lumbosacral Plexus &amp; Gluteal Region</b> <b>Gr. B &amp; A</b>	ANATOMY
	17.00-17.50	<b>Independent study hours</b>	
<b>01-May-2014</b> <b>THURSDAY</b>		<b>LABOR DAY</b>	
<b>02-May-2014</b> <b>FRIDAY</b>	09.00-09.50	Theoretical Distributions	Ç. Kaspar
	10.00-10.50	Theoretical Distributions	Ç. Kaspar
	11.00-11.50	Transport Through Biological Membranes	İ. Özden
	12.00-12.50	Transport Through Biological Membranes	İ. Özden
	13.00-13.50		
	14.00-14.50	Genome of Mitochondria	T. İsbir
	15.00-15.50	How to Read and Write an Article	G. D. Yanıkkaya
	16.00-16.50	How to Read and Write an Article	G. D. Yanıkkaya
	17.00-17.50	<b>Independent study hours</b>	

### III. WEEK

DAY	HOUR	SUBJECT	LECTURER
<b>05-May-2014</b>	09.00-09.50	Assisted Reproductive Techniques; Indication	O. Alagöz
<b>MONDAY</b>	10.00-10.50	Assisted Reproductive Techniques; Methods	O. Alagöz
	11.00-11.50	Blastulation	U.Uslu
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoglu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoglu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
<b>06-May-2014</b>	09.00-09.50	Psychopathology	BEHAVIORAL SCI.
<b>TUESDAY</b>	10.00-10.50	Psychopathology	BEHAVIORAL SCI.
	11.00-11.50	Transport Through Biological Membranes	İ. Özden
	12.00-12.50	Transport Through Biological Membranes	İ. Özden
	13.00-13.50		
	14.00-14.50	Anatomical Drawing	R. Aziz
	15.00-15.50	Anatomical Drawing	R. Aziz
	16.00-16.50	Atatürk's Principles & History of M. Turkey	D. Ekşi
	17.00-17.50	Atatürk's Principles & History of M. Turkey	D. Ekşi
<b>07-May-2014</b>	09.00-09.50	Thigh and Popliteal Fossa	K. Yücel
<b>WEDNESDAY</b>	10.00-10.50	Thigh and Popliteal Fossa	K. Yücel
	11.00-11.50	Implantation; Events	U.Uslu
	12.00-12.50	Implantation; Extraembryonic Layers	U.Uslu
	13.00-13.50		
	14.00-14.50	<b>LAB: BIOCHEMISTRY Gr B</b>	BIOCHEMISTRY
	15.00-15.50	<b>LAB: BIOCHEMISTRY Gr B</b>	BIOCHEMISTRY
	16.00-16.50	<b>LAB: BIOCHEM. Gr B / BIostat. Gr A</b>	BIOCHEMISTRY BIostatISTICS
	17.00-17.50	<b>LAB: BIOCHEM. Gr B / BIostat. Gr A</b>	BIostatISTICS
<b>08-May-2014</b>	09.00-09.50	Biology of Energy and Energy Balance	T. İsbir
<b>THURSDAY</b>	10.00-10.50	Biology of Energy and Energy Balance	T. İsbir
	11.00-11.50	Transport of Monosaccharides Through Enterocytes	İ. Özden
	12.00-12.50	Glucose Uptake by Different Types of Tissues	İ. Özden
	13.00-13.50		
	14.00-14.50	<b>LAB: Thigh and Popliteal Fossa Gr. A &amp; B</b>	ANATOMY
	15.00-15.50	<b>LAB: Thigh and Popliteal Fossa Gr. A &amp; B</b>	ANATOMY
	16.00-16.50	<b>LAB: Thigh and Popliteal Fossa Gr. A &amp; B</b>	ANATOMY
	17.00-17.50	<b>SPRING FEST</b>	
<b>09-May-2014</b>	09.00-09.50	Theoretical Distributions	Ç. Kaspar
<b>FRIDAY</b>	10.00-10.50	Theoretical Distributions	Ç. Kaspar
	11.00-11.50	Enzymes Involved in Digestion of Starch, Lactose, Sucrose	İ. Özden
	12.00-12.50	Enzymes Involved in Digestion of Starch, Lactose, Sucrose	İ. Özden
	13.00-13.50		
	14.00-14.50	<b>SPRING FEST</b>	
	15.00-15.50	<b>SPRING FEST</b>	
	16.00-16.50	<b>SPRING FEST</b>	
	17.00-17.50	<b>SPRING FEST</b>	

#### IV. WEEK

DAY	HOUR	SUBJECT	LECTURER
<b>12-May-2014</b> <b>MONDAY</b>	09.00-09.50	<b>Independent study hours</b>	
	10.00-10.50	Gastrulation; Primitive Streak, Notochord Formation	U.Uslu
	11.00-11.50	Somitogenesis; Mesoderm Organization	U.Uslu
	12.00-12.50		
	13.00-13.50	Turkish Language & Literature	B. Selimhocaoglu
	14.00-14.50	Turkish Language & Literature	B. Selimhocaoglu
	15.00-15.50	Humanities Conferences	
	16.00-16.50	Humanities	
	17.00-17.50	Humanities	
	<b>13-May-2014</b> <b>TUESDAY</b>	09.00-09.50	Psychopathology
10.00-10.50		Psychopathology	BEHAVIORAL SCI.
11.00-11.50		Glycogenesis, Glycogenolysis	İ. Özden
12.00-12.50		Regulation of Glycogenesis, Glycogenolysis	İ. Özden
13.00-13.50			
14.00-14.50		Anatomical Drawing	R. Aziz
15.00-15.50		Anatomical Drawing	R. Aziz
16.00-16.50		Atatürk's Principles& History of M. Turkey	D. Ekşi
17.00-17.50	Atatürk's Principles& History of M. Turkey	D. Ekşi	
<b>14-May-2014</b> <b>WEDNESDAY</b>	09.00-09.50	Leg	K. Yücel
	10.00-10.50	Leg	K. Yücel
	11.00-11.50	Anatomy of the Foot	K. Yücel
	12.00-12.50	Diagnostic Testing	Ç. Kaspar
	13.00-13.50		
	14.00-14.50	Biology of Life Span	T. İsbir
	15.00-15.50	Biology of Life Span	T. İsbir
	16.00-16.50	Anatomy of the Foot	K. Yücel
17.00-17.50	Nerves and Vasculature of the Lower Limb	K. Yücel	
<b>15-May-2014</b> <b>THURSDAY</b>	09.00-09.50	Nerves and vasculature of the lower limb	K Yücel
	10.00-10.50	Clinical Anatomy of the Lower Limb	K Yücel
	11.00-11.50	Energy of Aerobic and Anaerobic Glycolysis	İ. Özden
	12.00-12.50	Shuttle Systems Related to Energy Production in Glycolysis	İ. Özden
	13.00-13.50		
	14.00-14.50	Neurulation; Neuroectoderm Organization	U.Uslu
	15.00-15.50	<b>LAB: Leg Gr. A &amp; B</b>	ANATOMY
	16.00-16.50	<b>LAB: Leg Gr. A &amp; B</b>	ANATOMY
17.00-17.50	<b>LAB: Leg Gr. A &amp; B</b>	ANATOMY	
<b>16-May-2014</b> <b>FRIDAY</b>	09.00-09.50	Diagnostic Testing	Ç. Kaspar
	10.00-10.50	The Description of Epidemiology	Ç. Kaspar
	11.00-11.50	Gluconeogenesis: Enzymes of the Pathway	İ. Özden
	12.00-12.50	Regulation of Gluconeogenesis	İ. Özden
	13.00-13.50		
	14.00-14.50	Folding and Angiogenesis	U.Uslu
	15.00-15.50	<b>LAB: BIOCHEMISTRY Gr C</b>	BIOCHEMISTRY
	16.00-16.50	<b>LAB: BIOCHEM. Gr C / BIostat. Gr B</b>	BIOCHEMISTRY BIostatISTICS
17.00-17.50	<b>LAB: BIOCHEM. Gr C / BIostat. Gr B</b>	BIOCHEMISTRY BIostatISTICS	

**V. WEEK**

<b>DAY</b>	<b>HOUR</b>	<b>SUBJECT</b>	<b>LECTURER</b>
<b>19-May-2014</b> <b>MONDAY</b>		<b>NATIONAL HOLIDAY</b>	
<b>20-May-2014</b> <b>TUESDAY</b>	09.00-09.50	Organogenesis	A. Cumbul
	10.00-10.50	Fetal Period	A. Cumbul
	11.00-11.50	Glycolysis: Enzymes of the Pathway	İ. Özden
	12.00-12.50	Regulation of Glycolysis by Enzymes	İ. Özden
	13.00-13.50		
	14.00-14.50	Epidemiological Research Methods and Calculation of the Risk	Ç. Kaspar
	15.00-15.50	<b>LAB: Foot Gr. A &amp; B</b>	ANATOMY
	16.00-16.50	<b>LAB: Foot Gr. A &amp; B</b>	ANATOMY
	17.00-17.50	<b>LAB: Foot Gr. A &amp; B</b>	ANATOMY
<b>21-May-2014</b> <b>WEDNESDAY</b>	09.00-09.50	Neurological Examination: Lower Limb	K Yücel
	10.00-10.50	Death and Dying	BEHAVIORAL SCI.
	11.00-11.50	Death and Dying	BEHAVIORAL SCI.
	12.00-12.50	Death and Dying	BEHAVIORAL SCI.
	13.00-13.50		
	14.00-14.50	<b>LAB: Developing of Human Gr A</b>	HISTOLOGY
	15.00-15.50	<b>LAB: Developing of Human Gr A</b>	HISTOLOGY
	16.00-16.50	<b>LAB: Developing of Human Gr B</b>	HISTOLOGY
	17.00-17.50	<b>LAB: Developing of Human Gr B</b>	HISTOLOGY
<b>22-May-2014</b> <b>THURSDAY</b>	09.00-09.50	Discussion	K Yücel
	10.00-10.50	Discussion	K Yücel
	11.00-11.50	Primary Hemostasis	İ. Özden
	12.00-12.50	Secondary Hemostasis	İ. Özden
	13.00-13.50		
	14.00-14.50	<b>LAB: Nerves and Vasculature of the Lower Limb Gr. B &amp; A</b>	ANATOMY
	15.00-15.50	<b>LAB: Nerves and Vasculature of the Lower Limb Gr. B &amp; A</b>	ANATOMY
	16.00-16.50	<b>LAB: Nerves and Vasculature of the Lower Limb Gr. B &amp; A</b>	ANATOMY
	17.00-17.50		
<b>23-May-2014</b> <b>FRIDAY</b>	09.00-09.50	Epidemiological Research Methods and Calculation of the Risk	Ç. Kaspar
	10.00-10.50	Sampling in Epidemiology	Ç. Kaspar
	11.00-11.50	Anticoagulation	İ. Özden
	12.00-12.50	Fibrinolysis	İ. Özden
	13.00-13.50		
	14.00-14.50	Extraembryoner Structures; Membranes	A. Cumbul
	15.00-15.50	Twins and Partrution	A. Cumbul
	16.00-16.50	<b>Independent study hours</b>	
	17.00-17.50	<b>Independent study hours</b>	

**VI. WEEK**

**DAY**

**26-May-2014**

**MONDAY**

**27-May-2014**

**TUESDAY**

**28-May-2014**

**WEDNESDAY**

09.00-09.50

10.00-10.50

11.00-11.50

12.00-12.50

13.00-13.50

14.00-14.50

15.00-15.50

16.00-16.50

17.00-17.50

**BIostatistics EXAM**

**BIostatistics EXAM**

**PRACTICAL EXAM**

**PRACTICAL EXAM**

**PRACTICAL EXAM**

**29-May-2014**

**THURSDAY**

09.00-09.50

10.00-10.50

11.00-11.50

12.00-12.50

13.00-13.50

14.00-14.50

15.00-15.50

**THEORETICAL EXAM**

**THEORETICAL EXAM**

**THEORETICAL EXAM**

**THEORETICAL EXAM**

**YEDİTEPE UNIVERSITY  
FACULTY OF MEDICINE  
PHASE I**

**ENERGY AND METABOLISM - COMMITTEE V  
COMMITTEE EXAM ASSESSMENT TABLE**

<b>BASIC MEDICAL SCIENCES I DISCIPLINE</b>	<b>NUMBER OF MCQ*</b>	<b>VALUE OF EMQ**</b>	<b>VALUE OF OSPE***</b>	<b>VALUE OF WE****</b>
ANATOMY	25		<b>5 pts</b>	
BEHAVIORAL SCIENCES	13			
BIOCHEMISTRY	33			
BIOSTATISTICS				<b>15 pts</b>
HISTOLOGY & EMBRYOLOGY	21			
MEDICAL BIOLOGY	8			
<b>TOTAL</b>	<b>100</b>	<b>10 pts</b>	<b>5 pts</b>	<b>15 pts</b>

Total number of multiple choice questions is **100**, equal to **70** pts,

Each multiple choice question has value equal to **0,70** pts,

Extending matching questions have value equal to **10** pts,

Objective structured practical exam has value equal to **5** pts,

Written exam of Biostatistics has value equal to **15** pts.

**MCQ\***: Multiple Choice Question

**EMQ\*\***: Extending Matching Question

**OSPE\*\*\***: Objective Structured Practical Exam

**WE\*\*\*\*** : Written Exam of Biostatistics. This exam will be given separately before the committee exam.

**pts**: Points

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**FINAL EXAMINATION (2013-2014)  
FINAL EXAM ASSESSMENT TABLE**

<b>BASIC MEDICAL SCIENCES I DISCIPLINE</b>	<b>NUMBER OF MCQ*</b>	<b>VALUE OF SP-I**</b>
ANATOMY	35	
BEHAVIORAL SCIENCES	14	
BIOCHEMISTRY	24	
BIOPHYSICS	15	
BIOSTATISTICS	10	
HISTOLOGY & EMBRYOLOGY	28	
MEDICAL BIOLOGY	35	
MEDICAL HISTORY & ETHICS	9	
MICROBIOLOGY	5	
ORGANIC CHEMISTRY	12	
PHYSIOLOGY	13	
SCIENTIFIC PROJECT I		<b>4 pts</b>
<b>TOTAL</b>	<b>200</b>	<b>4 pts</b>

Total number of multiple choice questions is **200**, equal to **96** pts,  
Each multiple choice question has value equal to **0,48** pts,  
Scientific Project-I Report has value equal to **4** pts.

**MCQ\***: Multiple Choice Question

**SP-I\*\***: Scientific project I.

**pts**: Points

**YEDİTEPE UNIVERSITY  
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PHASE I**

**INCOMPLETE EXAMINATION (2013-2014)  
INCOMPLETE EXAM ASSESSMENT TABLE**

<b>BASIC MEDICAL SCIENCES I DISCIPLINE</b>	<b>NUMBER OF MCQ*</b>	<b>VALUE OF SP-I**</b>
ANATOMY	17	
BEHAVIORAL SCIENCES	7	
BIOCHEMISTRY	12	
BIOPHYSICS	7	
BIostatISTICS	5	
HISTOLOGY & EMBRYOLOGY	14	
MEDICAL BIOLOGY	17	
MEDICAL HISTORY & ETHICS	4	
MICROBIOLOGY	2	
ORGANIC CHEMISTRY	7	
PHYSIOLOGY	8	
SCIENTIFIC PROJECT I***		<b>4 pts</b>
<b>TOTAL</b>	<b>100</b>	<b>4 pts</b>

Total number of multiple choice questions is **100**, equal to **96** pts,  
Each multiple choice question has value equal to **0,96** pts,  
Scientific Project-I Report has value equal to **4** pts.

**MCQ\***: Multiple Choice Question

**SP-I\*\***: Scientific project I.

**pts**: Points

\*\*\* Score of the Scientific Project-I Report of Phase I will also contribute to the score of incomplete exam.

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**RECOMMENDED TEXTBOOKS FOR PHASE I**

NO	DEPARTMENT	TEXTBOOK	AUTHOR	PUBLISHER
1	ANATOMY	Gray's Anatomy for Students	R.L. Drake et al	Churchill Livingstone
		Clinically Oriented Anatomy	K.L. Moore et al	Lippincott Williams & Wilkins
2	BIOCHEMISTRY	Textbook of Biochemistry with Clinical Correlations	Thomas M. Devlin	Wiley-Liss Publishing Company
		Harper's Illustrated Biochemistry	Robert K. Murray et al	Mc-Graw-Hill Companies
		Lehninger Principles of Biochemistry	David L. Nelson, Michael M. Cox	W.H. Freeman Publishing Company
3	BIOPHYSICS	Introductory Biophysics: Perspectives on the Living State	J.R. Claycomb, J.P. Tran	Jones & Bartlett Publishers
4	BIOSTATISTICS	Primer of Biostatistics	Stanton Glantz	Mc-Graw-Hill Companies
5	HISTOLOGY	Histology: A Text and Atlas	M. H. Ross & W. Pawlina	Lippincott Williams & Wilkins
		Histology and Cell Biology: An Introduction to Pathology	A. Kierszenbaum & L. Tres	Mosby
	EMBRYOLOGY	Larsen's Human Embryology	G. C. Schoenwolf et al	Churchill Livingstone
6	MEDICAL BIOLOGY	Molecular Biology of the Cell	Bruce Alberts et al	Garland Science
7	MEDICAL ETICS	Clinical Bioethics: Theory and Practice in Medical-Ethical Decision Making	James E. Drane	Sheed & Ward
	MEDICAL HISTORY	Medical History for Students	John R. Green	Thomas
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

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