



*"The leaders you can trust most in life are science and education"*

*K. Atatürk*



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## **MESSAGE FROM THE RECTOR**



## Dear Students,

I would like to welcome all students to the new academic year at Acıbadem University Medical School, one of the youngest and yet exceptional medical schools in Turkey.

The diverse range of academic programs offered at our faculty aims to prepare curious, capable future physicians who respect patient rights and adhere to ethical principles in their medical practice through an exceptional learning experience. The curriculum guided by the principle “self-directed learning” encourages students to seek information and apply their knowledge with support from their professional mentors.

Our curriculum, meeting the highest professional standards, aims to train physicians that can deliver high quality patient care through applying scientific knowledge and methods as well as biomedical, social/behavioral science principles to the practice of medicine. Changing patient expectations, behaviors as well as, continuous developments in biomedical and information technologies make it crucial for future doctors to be capable in multiple fields apart from their core medical expertise.

The faculty at Acıbadem University consists of highly motivated experts, successful in their field. The faculty is keen to develop both, medical and

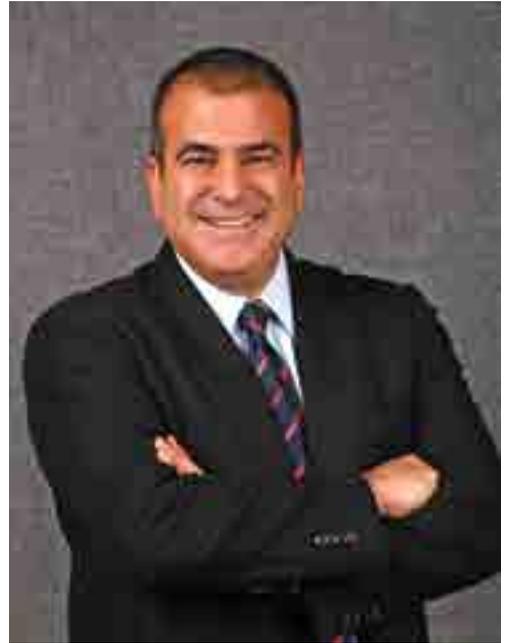
intellectual skills of students. The students will always be at top priority when it comes to the choices they make along their career path.

The core curriculum prepared carefully, integrates basic and clinical medicine with the intention of international, multicultural, humanistic competency in theoretical and applied medicine. Medical and complementary courses and community-based activities will help to achieve high competency of future physicians. Students will be able to display effective communication skills with patients and colleagues in a medical context.

Once again I would like to welcome you to Acıbadem University and wish you all the best for a successful year.

**Prof. Dr. Ahmet Şahin**  
Rector

## MESSAGE FROM THE DEAN



### **Dear Students,**

I would like to welcome you on behalf of the academic staff and our personnel to Acibadem University Medical School. I feel privileged to inform you about a new, unique and exciting institution.

The Medical School at Acibadem University is a powerful organization. Although it was established in year 2007, accepting its first students in 2009, the whole story started when Acibadem Health Group opened up its first hospital on the Asian side of Istanbul in 1991. Building know-how and experience over the years matriculated into

Acibadem University and the Medical School. The academic staff is strong at Acibadem University Medical School. Two hundred enthusiastic academic personnel are readily available to educate you to perfection all around the year and clock. One hundred twenty of these medical faculties with academic titles were chosen from the AHG with diverse research capabilities and clinical skill. Eighty of the teachers were recruited from national and international sources. The entire medical faculty is full time practicing in the Medical School. We have forty basic science academic staff that is fully functional in

our campus building and also operating through the state of the art Acibadem Health Group Lab Med laboratories performing active research and creating a rich and productive educational environment for you. We aimed to accomplish a family environment for you. The medical faculty was trained intensively and this new team's continuing education is still under progress in an effort to give you the best medical education.

The curriculum development committee prepared you an exciting and enjoyable program after years of vigorous work. It was refined to perfection once again this year. It's unique in many ways. The medical disciplines are taught in an integrated way relayed by theoretical and practical courses. The integrated blocks are well nourished by clinical medicine and professional skills (CMPS) courses. The CMPS the mostly we are proud of enables you to get in touch with the patients from very first day. CMPS also allows you to improve the practical aspects of your medical performance in a simulated fashion. It is well harmonized with courses containing research methodology, medical humanity and ethical issues. In addition, you will be a part of interactive modules. You will try to solve a medical problem in an interdisciplinary fashion that will foster your reasoning and research capabilities in each of these classes. One of the revolutionary parts of the curriculum is the intensive medical informatics courses that are reflection of our vision about the new millennium's physician. These courses are spread out the first and second year. They are mostly comprised of teaching basic medical informatics the first year. The second year is scrambled with

bioinformatics and biomedical technologies in order to serve the needs of a scientist in the new millennium. Medical English classes support the language of education the first three years. Moreover, the electives and especially the enrichment lectures will help you improve your intellectual capacity. The assignment of a mentor to each student favors apprenticeship education establishing a family environment. I think we could not use this effective tool if we were not hire this highly qualified numerous medical faculty.

Finally and lastly our new campus will most likely host its first habitants with state of the art teaching and social facilities in year 2013. It will have the cutting edge technologies reflective of AHG highest medical and engineering standards.

I wish you a prosperous and productive future. Enjoy this phase of your life. Welcome on board. Get well educated.

**Prof. Dr. Hasan Tanyeri**  
Dean

## OUR AIM, MISSION and VISION

Our aim at Acibadem School of Medicine is to train our students in accordance with the highest professional standards providing a broad range of scientific knowledge, practical and behavioral skills which will translate into high quality patient care and high level of scientific curiosity enabling him/her to make scientific research. The physician at our focus is creative, competent and capable to collaborate with his/her colleagues and subordinates in order to provide the best health care at the institutional and global level. The student will learn how to learn and where to find the information when needed. We aim to accomplish this goal by continuous medical education and self development that would assure the delivery of high quality medicine.

In this context, every graduate from our medical school shall be able to:

- Apply biomedical, social/behavioral science principles, scientific knowledge and method to the practice of medicine.
- Apply public health principles and methods and to prevent the common diseases, protect and promote the health of individuals, families and community.
- Display effective oral and written communication skills with patients and colleagues in a medical context.
- Provide standard care to patients- know how to obtain an accurate medical history; perform physical examination; perform commonly used diagnostic investigations and how to apply evidence based treatment protocols.

- Provide efficient care in medical emergencies.
- Apply the universal human rights principles to medical practice.
- Respect patient rights; their dignity, autonomy, integrity and confidentiality.
- Adhere strictly to ethical principles and legal rules in his/her clinical practice and research activities.
- Recognize the health problems of his/her country and global health issues that will improve the health status of people national and internationally.
- Analyze the social determinants of health, the impact of various social, economical and cultural factors which might affect health conditions.
- Formulate hypotheses and perform all steps of a medical research, for the solution of problems and communicate the results.
- Use information technology effectively in medical practice.

**Our mission** is to create the physician of integrity of high quality service, who is committed to mentoring and philanthropy while providing the best healthcare.

**Our vision** is to be rated among the top medical schools in Europe with high universal standards and an internationally accredited education program.

It takes a long way to become a doctor. There are many obstacles, threats and difficulties. But “Chance only favors the prepared mind”.

# ADMINISTRATIVE ORGANIZATION



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Professor of Urology



**VICE RECTOR**  
Beki KAN, Ph.D.  
Professor of Biophysics



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İrfan GÜNEY, BSc., Ph.D.  
Professor of Electrical Engineering



**DEAN**  
Hasan TANYERİ, M.D.  
Professor of Otolaryngology



**VICE DEAN**  
İsmail Hakkı ULUS, M.D., Ph.D.  
Professor of Pharmacology



**VICE DEAN**  
Tanıl KOCAGÖZ, M.D., Ph.D.  
Professor of Microbiology

# ACADEMIC UNITS

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### HEAD

Beki KAN, Ph.D., Prof.

- Department of Anatomy
- Department of Biophysics
- Department of Biostatistics & Medical Informatics
- Department of Histology and Embryology
- Department of History of Medicine and Ethics
- Department of Medical Biochemistry
- Department of Medical Biology
- Department of Medical Microbiology
- Department of Physiology

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- Department of Cardiology
- Department of Child Psychiatry
- Department of Dermatology
- Department of Family Medicine
- Department of Forensic Medicine
- Department of Infectious Diseases and Microbiology
- Department of Internal Medicine
- Department of Medical Pharmacology
- Department of Neurology
- Department of Nuclear Medicine
- Department of Pediatrics
- Department of Physical Medicine
- Department of Psychiatry
- Department of Pulmonary Medicine
- Department of Public Health
- Department of Radiation Oncology
- Department of Radiology

## DEPARTMENT OF SURGICAL SCIENCES



### HEAD

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- Department of Anesthesiology and Reanimation
- Department of Cardiovascular Surgery
- Department of Emergency Medicine
- Department of General Surgery
- Department of Medical Pathology
- Department of Neurosurgery
- Department of Obstetrics and Gynecology
- Department of Ophthalmology
- Department of Orthopedics and Traumatology
- Department of Otorhinolaryngology
- Department of Pediatric Surgery
- Department of Plastic and Reconstructive Surgery
- Department of Thoracic Surgery
- Department of Urology

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Abdurrahman COŞKUN, M.D., Assoc. Prof.  
Melike ŞAHİNER, M.D., Ph.D., Assist. Prof.

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İlke SİPAHİ, M.D., Prof.  
Yasemin ALANAY, M.D., Ph.D., Assoc. Prof.  
Melike ŞAHİNER, M.D., Ph.D., Assist., Prof.

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M.D., Ph.D., Prof.

## YEAR 1 COORDINATORS:



Serap ARBAK,  
Ph.D., Prof.



Cemaliye AKYERLİ BOYLU,  
Ph.D., Assist. Prof.

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### **MED 101 Cellular Basis of Medicine**

Melike ŞAHİNER, M.D., Ph.D., Assist. Prof.

Yavuz OKTAY, Ph.D., Assist. Prof.

### **MED 103 Cellular Transport and Metabolism**

Deniz AĞIRBAŞLI, M.D., Ph.D., Assist. Prof.

Evren KILINÇ, Ph.D., Assist. Prof.

### **MED 104 From Cell to Tissue / Tissue to Organ**

Güldal SÜYEN, M.D., Ph.D., Prof.

Sinem ÖKTEM OKULLU, MSc., Instructor

### **MED 106 Body Functions and Human Behavior**

Mustafa SERTESER, M.D., Assoc. Prof.

Fatih ARTVİNLİ, Ph.D., Assist. Prof.

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Devrim ÖZ ARSLAN,  
Ph.D., Assist. Prof.

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Aysel ÖZPINAR, D.V.M., Ph.D., Prof.

Evren KILINÇ, Ph.D., Assist. Prof.

### **MED 203 Cell and Tissue: Infection and Neoplasia**

Özgür KURT, M.D., Ph.D., Assoc. Prof.

Özge CAN, Ph.D., Assist. Prof.

### **MED 205 Hematopoietic System and Related Disorders**

Cemaliye AKYERLİ BOYLU, Ph.D., Assist. Prof.

Ant UZAY, M.D., Assist. Prof.

### **MED 206 Musculoskeletal System and Related Disorders**

Abdurrahman COŞKUN, M.D., Assoc. Prof.

Barış KOCAOĞLU, M.D., Assist. Prof.

### **MED 208 Respiratory System and Related Disorders**

Devrim ÖZ ARSLAN, Ph.D., Assist. Prof.

Yavuz OKTAY, Ph.D., Assist. Prof.

### **YEAR 3 COORDINATORS:**



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M.D., Ph.D., Prof.



Güldal SÜYEN,  
M.D., Ph.D., Prof.

### **SUBJECT COMMITTEE CHAIRS**

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Mehmet ERGEN, D.V.M., Ph.D., Assist. Prof.

#### **MED 305 Nervous System and Related Disorders**

Dilaver KAYA, M.D., Assist. Prof.

Deniz YÜCEL, Ph.D., Assist. Prof.

#### **MED 307 Growth, Development and Endocrine Disorders**

Işıl PAKİŞ, .D., Assoc. Prof.

Özlem SEZGİN MERİÇLİLER, M.D., Assist. Prof.

#### **MED 304 Gastrointestinal System and Related Disorders**

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Elif Nedret KESKİNÖZ, MSc., Instructor

#### **MED 306 Urogenital System and Related Disorders**

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Deniz AĞIRBAŞLI, M.D., Ph.D., Assist. Prof.

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### Internal Medicine

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### Pediatrics and Pediatric Surgery

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### Surgery

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### Obstetrics and Gynecology

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### Urology

Selçuk KESKİN, M.D., Assist. Prof.

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Işıl PAKIŞ  
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### Neurosurgery

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### Psychiatry

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### Otolaryngology - Head and Neck Surgery

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### Ophthalmology

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### Dermatology

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### Radiology

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### Forensic Medicine

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Hülya KARAYAZI,  
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Tamer AKSOY, M.D., Assist. Prof.

#### **OPHTHALMOLOGY**

Abdullah ÖZKIRIŞ, M.D., Prof.  
C. Banu COŞAR, M.D., Assoc. Prof.  
Ayşe Ebru KILAVUZOĞLU, M.D., Instructor

#### **ORTHOPEDICS AND TRAUMATOLOGY**

Metin TÜRKMEN, M.D., Prof.  
Nadir ŞENER, M.D., Prof.  
Servet Aydın YÜCETÜRK, M.D., Prof.  
Ufuk NALBANTOĞLU, M.D., Assoc. Prof.  
Mehmet Uğur ÖZBAYDAR, M.D., Assoc. Prof.  
Burak BEKSAÇ, M.D., Assoc. Prof.  
Vuşlat Sema ÜNAL, M.D., Assoc. Prof.  
Sezgin SARBAN, M.D., Assoc. Prof.  
Umut AKGÜN, M.D., Assist. Prof.

Bariř KOCAOĐLU, M.D., Assist. Prof.  
Hüseyin Arel GERELİ, M.D., Instructor  
Halil Can GEMALMAZ., M.D., Instructor

### **OTORHINOLARYNGOLOGY**

Hasan TANYERİ, M.D., Prof.  
Ömer Faruk ÜNAL, M.D., Prof.  
Haluk ÖZKARAKAŞ, M.D., Prof.  
Levent ERİŐEN, M.D., Prof.  
Hüseyin Özcan ÇAKMAK, M.D., Prof.  
Ahmet KOÇ, M.D., Assoc. Prof.  
Őenol POLAT, M.D., Assist. Prof.  
Elif AKSOY, M.D., Assist. Prof.  
Gediz Murat SERİN, M.D., Assist. Prof.

### **PEDIATRIC SURGERY**

K. Latif ABBASOĐLU, M.D., Assoc. Prof.  
Murat ŐANAL, M.D., Assist. Prof.

### **PEDIATRICS**

Alpay ÇELİKER, M.D., Prof.  
Cengiz CANPOLAT, M.D., Prof.  
Serap SEMİZ., M.D., Prof.  
Yasemin ALANAY, M.D., Prof.  
Uğur IŐIK, M.D., Assoc. Prof.  
N. Müjde ARAPOĐLU, M.D., Assist. Prof.  
Ebru Tuğrul SARIBEYOĐLU, M.D., Assist. Prof.  
Ertuğrul ERYILMAZ, M.D., Assist. Prof.  
Günseli BOZDOĐAN, M.D., Assist. Prof.  
Sibel AKA, M.D., Instructor

### **PHYSICAL MEDICINE AND REHABILITATION**

Zeynep GÜVEN, M.D., Prof.  
Reyhan ÇELİKER, M.D., Prof.  
Ayçe ATALAY, M.D., Assoc. Prof.

### **PHYSIOLOGY**

Güldal SÜYEN, M.D., Ph.D., Prof.  
Melike ŐAHİNER, M.D., Ph.D., Assist. Prof.  
Mehmet ERGEN, Ph.D., Assist. Prof.  
Meltem KOLGAZİ, Ph.D., Assist. Prof.

### **PLASTIC RECONSTRUCTIVE AND AESTHETIC SURGERY**

Aydın SARAY, M.D., Prof.  
Ferit DEMİRKAN, M.D., Prof.  
Őükrü YAZAR, M.D., Assoc. Prof.  
Cengiz AÇIKEL, M.D., Assoc. Prof.  
Halil İbrahim CANTER, M.D., Assoc. Prof.  
Kahraman Berkhan YILMAZ, M.D., Assist. Prof.

### **PSYCHIATRY**

Cem İNCESU, M.D., Prof.  
Kültegin ÖGEL, M.D., Prof.  
Burcu GÖKSAN YAVUZ, M.D., Assist. Prof.

### **PUBLIC HEALTH**

Nadi BAKIRCI, M.D., Ph.D., Prof.  
Figen DEMİR, M.D., Assist. Prof.

### **PULMONARY DISEASES**

Çağlar ÇUHADAROĐLU, M.D., Prof.  
Ceyda Erel KIRIŐOĐLU, M.D., Assist. Prof.  
Süha ALZAFER, M.D., Instructor

### **PSYCHOLOGY**

İlyas GÖZ, Ph.D., Assoc. Prof.  
Ferzan CURUN, Ph.D., Assoc. Prof.

### **RADIATION ONCOLOGY**

Enis ÖZYAR, M.D., Prof.  
Meltem SERİN, M.D., Prof.  
Melahat GARİPAĐAOĐLU, M.D., Prof..  
Meriç ŐENGÖZ, M.D., Assoc. Prof.  
Gamze UĐURLUER, M.D., Assist. Prof.  
Banu ATALAR, M.D., Assist. Prof.  
Evrım Kadriye TEZCANLI, M.D., Instructor

### **RADIOLOGY**

Canan ERZEN, M.D., Prof.  
Simay ALTAN KARA, M.D., Prof.  
Ercan KARAARSLAN, M.D., Prof.  
Özlem BARUTÇU SAYGILI, M.D., Assoc. Prof.  
Alp DİNÇER, M.D., Assoc. Prof.  
Ümit AKSOY ÖZCAN, M.D., Assist. Prof.  
Ali TÜRK, M.D., Assist. Prof.  
Özden Sıla ULUS, M.D., Assist. Prof.  
M. Erdem YILDIZ, M.D., Assist. Prof.

### **SKIN AND VENEREAL DISEASES**

İkbal Esen AYDINGÖZ, M.D., Prof.  
Sedef ŐAHİN, M.D., Prof.  
Emel Öztürk DURMAZ, M.D., Prof.  
Yasemin SARAY, M.D., Assoc. Prof.  
Engin SEZER, M.D., Assoc. Prof.  
Emel GÜNGÖR, M.D., Assoc. Prof.  
Özgür BAKAR, M.D., Assist. Prof.  
Deniz DUMAN, M.D., Assist. Prof.

### **THORACIC SURGERY**

Semih HALEZEROĐLU, M.D., Prof.  
Erdal OKUR, M.D., Assoc. Prof.

## **TURKISH LANGUAGE & LITERATURE**

Hülya DÜNDAR ŞAHİN, Ph.D., Assist. Prof.

## **UROLOGY**

Ahmet ŞAHİN, M.D., Prof.

M. Murat ŞAMLI, M.D., Assoc. Prof.

Mustafa SOFİKERİM, M.D., Assoc. Prof.

Burak ÖZKAN, M.D., Assoc. Prof.

Hakan ÖZVERİ, M.D., Assist. Prof.

Bora ÖZVEREN, M.D., Assist. Prof.

Enis Rauf COŞKUNER, M.D., Assist. Prof.

Selçuk KESKİN, M.D., Assist. Prof.

İlter TÜFEK, M.D., Assist. Prof.

İsmail Cenk ACAR., M.D., Assist. Prof.

## **AFFILIATED FACULTY**

### **HISTOLOGY & EMBRYOLOGY:**

Feriha ERCAN, Ph.D., Prof..

### **HISTORY OF ART,**

### **HISTORY OF ISTANBUL**

Haldun HÜREL

### **INTERNAL MEDICINE**

Çağlar BAYSAL, M.D. Assoc. Prof.

### **CULTURE OF CLASSICAL MUSIC, CREATIVE APP- ROACH**

Feridun HÜREL

### **FORENSIC MEDICINE**

Oğuz POLAT, M.D., Prof.

### **HEALTHCARE MANAGEMENT**

Hacer ÖZGEN NARCI, Ph.D., Prof.

### **HISTORY OF MEDICINE & ETHICS**

Ahmet ÇAKIROĞLU, M.D., Prof.

Gülsüm ÖNAL, M.D.

### **LAW**

İbrahim KABOĞLU, Ph.D. Prof.

### **MEDICAL INFORMATICS**

Beyza AKBAŞOĞLU

Numan BAYÜLKEN

Kağan ÖZERHAN

Doğan ULUTÜRK

Gürdal ŞAHİN

Özge SAGIROGLU

Eda DEMIRCI

Deniz KONUK

### **MEDICAL PATHOLOGY**

İlker AKPOLAT, M.D., Prof.

### **MEDICAL PHARMACOLOGY**

Filiz ONAT, M.D. Prof.

### **NEUROSURGERY**

Zafer BERKMAN, M.D., Prof.

### **PEDIATRICS**

Gamze BEREKET, M.D.

Mahir GÜLCAN, M.D.

### **PUBLIC HEALTH**

Yeşim YASİN, MSc.

### **SOCIOLOGY**

İnci USER, Ph.D., Assoc. Prof.

### **FAMILY MEDICINE**

Şirin PARKAN, M.D.

Sabah TÜZÜN, M.D.

### **CLINICAL SKILLS**

Mehmet Emin AKSOY, M.D., Ph.D.

Dilek KİTAPÇIOĞLU, M.D.

Feray GÜVEN, M.D.

### **TRAINERS IN PRIMARY HEALTH CARE**

Senem Aslan TANGÜREK, M.D.

Erkan KAPAKLI, M.D.

Ali Osman ÖZTÜRK, M.D.

Özden Öztürk ALTAN, M.D.

Zerrin KURŞUN, M.D.

Dolunay DEMİRDAMAR GELGİN, M.D.

Bayram AKMAN, M.D.

Erhan SAYALI, M.D.

Emrah KIRIMLI, M.D.

Şenol GÜMÜŞDERE, M.D.

## OFFICES

### **FACULTY SECRETARY**

Semra ÖZTÜRK



### **SECRETARY**

Saniye LİV İHTİAR

### **OFFICE OF STUDENT AFFAIRS**

Seda TEZKAN (Chief)

Emine KARASU

Hafize GÖZLÜKLÜ

Merve AKBAŞ





## **INTERNATIONAL OFFICE**

Ayşe BATMAN

In 2009, Acibadem University received an Erasmus Charter and signed a bilateral agreement with 10 highly respected universities in Europe. Acibadem University Medical School also had a chair on the Board of Directors for the Erasmus Intensive Program Project (IP) and was greatly honored by hosting a project in 2011. Our students have benefited greatly from the Erasmus Student Mobility Program and have traveled to the University of Health Sciences in Lithuania, and the University of Ghent. We have also been privileged to host our first Erasmus Medical School student from the University of Radboud.

Under the Erasmus Teaching Staff Mobility Program, faculty members from different countries including Holland, Germany, Lithuania, and the United Kingdom have come to visit Acibadem University and have taught according to their individual specialties. Likewise, our own Professors in the Medical School and the School of Health Sciences have made use of the mobility program.

Acibadem University is a modern, dynamic, innovative and philanthropic medical university which puts great importance on the Erasmus Exchange Programs as a means to integrating with the contemporary world by signing new agreements with reputable universities.



## **LIBRARY**

Murat GÜNDOĞDU

Çağdaş GEÇGEL

All the references in the library of Acibadem University are cataloged and classified according to world wide scientific systems. For cataloguing, Anglo American Cataloguing Rules 2 and for classification, Library of Congress (LC) and National Library of Medicine (NLM) are used in our system. All publications are transferred to YORDAM library program in order to provide searching through internet.

The library of has more than 17,000 book collections and acces to more than 12,900 e-journal.

Six important databases are available online for the fast and effective use of students and faculty, as well as external library users.

# GENERAL DESCRIPTION OF THE MEDICAL EDUCATION PROGRAM

The education is in English at Acibadem University School of Medicine. Students who are admitted to the medical school must take the English Language Proficiency Examination or present equivalent proof of exam scores (TOEFL, etc.). Students who fail the exam have to attend English preparatory class for one year.

Our medical education program features 3 phases:

1. Phase I : Basic and Clinical Sciences, from year 1 to year 3
2. Phase II: Clinical Clerkship, from year 4 to year 5
3. Phase III: Internship, Family Medicine, year 6

- The education is based on an integrated curriculum. In this program, systems within the human body are described from the simplest units such as the cell to more complex systems including pathologies, in subject committees. In Phase I, groups of subject committees form a whole curriculum for a given year. In addition, there are special courses such as Clinical Medicine and Professional Skills (CMPS), Medical Informatics, Biostatistics and Medical Technologies, Interactive Modules, Medical English and Elective Courses.

- The term “Subject committee” means that topics of a given subject like “cell” or “organ systems” are described in a coordinated manner by different departments. These committees contain both, theoretical lectures, practical studies and modules.

- Integrated programs within the subject committees will provide the equal participation of basic and clinical sciences to teach a particular organ system. As an example; the gastrointestinal system will be given in all aspects by contributions from basic sciences and clinical sciences. The courses include both, knowledge from basic sciences like anatomy, physiology, biochemistry and from clinical aspects like pathology, diagnosis, treatment and prevention.

- In Phase I, the curriculum consists of 23 subject committees; 7 in year 1, 8 in year 2 and 8 in year 3.

- In Phase I, within subject committees interactive modules are organized. In these modules, students work in small groups under the guidance of a tutor and analyze cases related to the subject committee to acquire self-directed learning skills.

- Clinical Medicine and Professional Skills (CMPS) is a three-year interdisciplinary program of Phase I. This program is organized by the Departments of Public Health and Family Medicine and features four courses: Clinical and Communication Skills, Health and Society, Research in Health, and Medical Ethics and Humanities. The CMPS program has been designed as an initial introduction to medical professionalism, providing a knowledge and skills-mixed tool box. It aims to facilitate basic professional skills and competencies necessary for good medical practice as well as, to enhance personal and social development, fostering intellectual skills and humanistic values. A more detailed description of the CMPS Program can be found on the forth following pages.

- Phase I also includes two important courses which include Information Technologies, Biostatistics, Bioinformatics and Biomedical Technologies. Information Technologies lessons provide the students with basic computer skills and give insight into medical information processing such as coding systems and use of electronic patient records. Biostatistics and bioinformatics provide students the basic tools for medical research. They help to classify and evaluate the huge amount of evidence and information produced every year around the world and sort out the relevant information for their own education and research. Biomedical technologies courses help the students to understand the basic principles of medical diagnostic or therapeutic instruments, the development of which continue

overwhelmingly fast in our era. These courses are expected to inspire innovative ideas that may lead to new medical discoveries.

- Year 4 and Year 5 are called “Clinical Clerkship Period” and comprise the training at hospital and primary care settings. Teaching staff of clinical departments supervise the students to work on a full-time basis. This clerkship periods focuses mainly on history taking, physical examinations and follow-up of patients as well as bedside practice, lectures and seminars.

- Year 6 is termed “Family Medicine Period” which lasts twelve months. The students take the responsibility of patient care under the supervision of teaching staff. Clinical rotations are absolved in Internal Medicine, Surgery and Emergency Care, Pediatrics, Gynecology and Obstetrics, Psychiatry and Public Health. The primary health care and community medicine perspective is incorporated in the training by clinical rotations in family health centres, community health centres and the outpatient clinics of the Department of Family Medicine.

## **EXAMINATIONS**

- Each subject committee of Phase I features at least one mid-committee and a subject committee examinations. Clinical Medicine and Professional Skills courses are evaluated according to their learning outcomes which may vary based on educational methods. At the end of each year a final exam is held featuring all subjects given throughout the year.

- For Year 4 and Year 5, students must attend to theoretical and practical examinations at the end of each clerkship period.

## **GRADING SYSTEM**

- For each year of Phase I, the passing score consist of 60% of the mean of the subject committee and 40% of final examination grades.

- For Phase II, passing grades are calculated by taking the average of clerkship examination grades.

## **CREDITS**

- There are two types of credit systems Local Credits and European Credit Transfer System credits (ECTS). One theoretical hour or two practical hours per week account for one local credit. At each committee, every 14 theoretical hours or 28 practical hours are assigned as one credit. ECTS credits are calculated based on students’ workload (featuring theoretical, practical hours and study time).

- For further information please consult the “Students’ Education and Assessment Rules” on the official website of the School of Medicine.

# CLINICAL MEDICINE & PROFESSIONAL SKILLS (CMPS) PROGRAM

## **Introduction and General Overview:**

The CMPS program has been designed as an initial introduction to medical professionalism, providing a knowledge and skills-mix tool box for students during the first three years of medical education. It aims to facilitate basic professional skills and competencies necessary for good medical practice as well as, to enhance personal and social development, fostering intellectual skills and humanistic values. Combined with evidence based bio-medical knowledge, the CMPS program provides the students with all “sine-qua-non”<sup>\*</sup> universal features of a contemporary physician, who is able to blend in with- and work in the benefit of any society and any health care system.

The CMPS program consists of four basic courses (*Communication and Clinical Skills, Health and Society, Medical Ethics and Humanities, Research in Health*) which will continue throughout the first three years of undergraduate medical education, with a logical follow-up of themes building competencies to complement corresponding curricular topics of the accompanying subject committees. Furthermore, the program features an officially approved certificate course of “First Aid” in year I.

Facilitating effective communication along with scientific and creative thinking, paired with a humanistic approach, the CMPS program creates a solid fundament for a competent and compassionate physician who is aware of the professional responsibilities towards society (community orientation), the patient as a suffering person (communication skills and patient centeredness) and at the same time can attend effectively to the disease as a set of disordered biological processes (clinical problem solving skills paired with a holistic approach).

## ***“Communication and Clinical Skills” Courses:***

The “*Basic Communication Skills*” course in the first year aims to present an overview about the concept and tools of communication in general and their particular importance in the practice of the medical profession. In the “*Clinical and Communication Skills*” course within the second year, students are required to develop competencies for effective, culture- and case-sensitive, person-centered physician-patient communication fostering their personal and professional growth and complementing the practice based clinical curriculum. Furthermore, this course will provide the students with opportunities to develop competency in history taking and physical examination techniques via simulated patient encounters and training on models, respectively. In the third year, the “*Advanced Communication Skills*” course will foster the students’ ability to master challenging situations requiring specific communication skills like difficult patients, breaking bad news, end of life issues and dealing with cultural diversity. Communication with colleagues (in a medical context) and communication of the physician with society in health education activities and public health campaigns, as well as, scholarly communication (communicating about scientific issues) is also dealt within this course.

## ***“Medical Ethics and Humanities” Courses:***

The activities within this interdisciplinary course will widen the students’ scope to perceive health as a human right and to develop a proactive responsibility for equity in health respecting bioethical principles. Implementing the range of traditional humanities disciplines—philosophy, history, literature, the arts-paired with ethics, sociology, law and behavioural sciences into this track, the CMPS Medical Ethics and Humanities courses will provi-

de a creative learning environment which will enhance the development of intellectual skills along with the ability to recognize and solve medical and social problems. This course also highlights the evolution of modern medicine from a historical point of view and provides a practice oriented learning environment to develop and incorporate ethical decision making skills into the process of clinical reasoning.



### ***“Health and Society” Courses:***

These courses will provide the students with opportunities to observe the relationship between health, ill health and political, environmental, societal and cultural factors in a community-based setting via early contact with patients and healthy individuals. The students will have the chance to observe and attend primary health care services within the Turkish health care system. Furthermore, they are required to get an overview on health policy and health systems in different countries enabling them for comparisons.



### ***“Research in Health” Courses:***

These courses encompass planning and conducting a research project and presentation-publication of the results. Also, the students will gain an overview on evidence based medicine techniques and experience in critical appraisal by peer reviewing each others’ papers with the aim to complete scientific curiosity with an analytic approach and research know-how.

Finally, at the end of the third year, the CMPS program features a ***“Comprehensive Medical Practice”*** course, where the students will be required to combine basic skills and professional competencies gained during the previous three years to a comprehensive performance in their capacity as future M.D.’s in simulated “real-life medical encounter” situations.

## **Aims of the Program:**

- to provide an overall introduction to the medical profession within an innovative and creative learning environment.
- to provide the link between professional skills and competences, scientific knowledge, humanist approach and clinical practice of high ethical and clinical standards
- to facilitate the competence of scientific reasoning and to foster the attitude of self directed learning and life-long learning
- to contribute to the aim of undergraduate medical education to produce an efficient health care professional of high scientific and ethical standards (i.e. the physician as a good practitioner, good researcher, good manager, humanist and role model of integrity, honesty and probity)
- to provide community based educational opportunities for learning about social and economic aspects of ill health, health services in the community, and common health and related problems in the community.

## **Training and Learning Methods:**

The CMPS program adopts a student-centred, practice- and community-based and experience based learning approach where the students will be required to actively involve in the learning process at all times.

Blended teaching methodology with task-based and problem-based learning, practical skills laboratory and simulated patient exercises, drama and role play, site visits, group assignments with presentations and discussions, reflective and peer group learning experiences, focus group sessions, literature analyses, and self-directed learning sessions will be used.

## **Assessment and Evaluation Methods:**

Evaluation methodology will be in accordance with the aims and learning outcomes, as well as, with applied teaching and learning methodologies. Log-books, standardized evaluation of group presentations of assignments and projects or performances, OSCEs (Objective Structured Clinical Examinations) oral and written examinations, structured observation reports, presentation of research projects-results at symposia and/or conferences, published papers, essays, structured feed-back forms will be used for assessment purposes.

## Laboratory Facilities:

The School of Medicine houses various laboratories equipped with the latest technologies.

There are three multi-disciplinary laboratories, located at the third floor of the main building, with a total capacity of 120 students. The laboratories are equipped with one microscope for every student, all other equipment needed for safety and application of practical courses of biochemistry, physiology, microbiology, histology and pathology. The laboratories are connected to each other by another laboratory where preparations for practical courses take place. The video conference system connecting the laboratories enable students to follow the same instructions and demonstrations in different laboratories simultaneously.

The Anatomy Laboratory features two cadaver for dissection and a rich collection of anatomic models for demonstration.



## Laboratory Assistants:

Sinem ÖKTEM, Biologist, MSc.  
Nihan AYTEKİN, Biologist, MSc.  
Yiğit ERDEMGİL, Molecular Biologist, MSc.  
Yusuf YILDIZ, Technician

A Language Computer Laboratory and three Computer Laboratories each having 40 computers. All Computers have high standard hardware and software systems (Windows 7 Operating System in addition to MS Office 2010, MS Visio 2010, MS Project 2010 and MedCalc).

# CENTER FOR ADVANCED SIMULATION AND EDUCATION (CASE)

Medical simulation has become a part of the medical education for the last 10 years as a result of the proven benefits of simulation in aviation and with the development of high fidelity medical simulators. Our University intends to educate the students with new training modalities such as blended learning, which combines e-learning, skills training and simulation based training programs. Before applying medical procedures on real patients, our students will be trained by using the medical simulators.

The center for medical simulation and advanced endoscopic surgery training, CASE (Center for Advanced Simulation and Education), will be serving for graduate students and medical professionals to improve their teamwork and crisis resource management abilities by using multidisciplinary training methods.

Our goal is being a regional leader in medical simulation by using these innovative educational strategies.



## **Lab Director:**

Mehmet Emin AKSOY, M.D., Ph.D.

## **Lab Coordinators:**

Dilek KİTAPÇIOĞLU, M.D.

Feray GÜVEN, M.D.

**CASE has two main units:**

**1. Clinical Simulation Laboratory (4th floor)**

**This unit is available for the following courses:**

- Anesthesia
- Emergency Medicine
- Nursing Care
- Internal Medicine
- Pediatrics
- Family Medicine
- Cardiology
- Pneumonology
- Otolaryngology
- Obstetrics&Gynecology



**2. Advanced Endoscopic Surgery  
Training Center**

**(First basement floor):**

**This unit is available for  
the following courses:**

- General Surgery
- Neurosurgery
- Urology
- Cardiovascular Surgery
- Orthopedics
- Obstetrics&Gynecology

# 2013-2014 ACADEMIC CALENDAR YEAR 1

## FALL SEMESTER

**Oct 21, 2013- Feb 07, 2014**

### **MED 101 - Cellular Basis of Medicine**

*Subject Committee Examination*

Oct 22-Dec 06, 2013

*Dec 06, 2013*

### **MED 103 - Cellular Transport and Metabolism**

*Subject Committee Examination*

Dec 09, 2013 -Feb 07, 2014

*Feb 07, 2014*

### **MED 105 - Clinical Medicine & Professional Skills-I**

*Subject Committee Examination*

Oct 24, 2013 -Jan 27, 2014

*Jan 27, 2014*

### **MED 107 - Medical Informatics**

*Subject Committee Examination*

Oct 23, 2013- June 05, 2014

*June 05, 2014*

### **ENG 101 - Medical English-I**

*Course Examination*

Oct 25, 2013- Jan 31, 2014

*Jan 31, 2013*

### **ELE 101 - Elective Course- I**

*Course Examination*

Nov 05, 2013- Jan 28, 2014

*Jan 28, 2014*

### **TUR 101 - Turkish Language and Literature**

*Course Examination*

Oct 23, 2013- Jan 29, 2014

*Jan 29, 2014*

### **ATA 101 - Atatürk Principles and History of Revolution**

*Course Examination*

Oct 28, 2013- Jan 27, 2014

*Jan 27, 2014*

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## **Midyear Recess**

**Feb 10-21, 2014**

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## **SPRING SEMESTER**

**Feb 24, 2014- June 16, 2014**

### **MED 104 - From Cell to Tissue/ Tissue to Organ**

*Subject Committee Examination*

Feb 24- Apr 18, 2014

*Apr 18, 2014*

### **MED 106 - Body Functions and Human Behavior**

*Subject Committee Examination*

Apr 21- June 16, 2014

*June 16, 2014*

### **MED 108 - Clinical Medicine & Professional Skills-II**

*Subject Committee Examination*

Feb 27- June 09, 2014

*June 09, 2014*

### **ENG 102 - Medical English-II**

*Course Examination*

Feb 24- June 06, 2014

*June 06, 2014*

### **ELE 102 - Elective Course- II**

*Course Examination*

Feb 25- June 03, 2014

*June 03, 2014*

### **TUR 102 - Turkish Language and Literature**

*Course Examination*

Feb 26- June 04, 2014

*June 04, 2014*

### **ATA 102 - Atatürk Principles and History of Revolution**

*Course Examination*

Feb 24- June 02, 2014

*June 02, 2014*

### **Final Examinations**

**July 14-15, 2014**

### **Make up Examinations**

**August 11-12, 2014**

### **Holidays**

October 29, 2013 (Republic Day)

January 1, 2014 (New Year's Day)

April 23, 2014 (National Sovereignty and Childrens Day)

May 1, 2014 (Labour and Solidarity Day)

May 19, 2014 (Commemoration Atatürk, Youth and Sports Day)

# 2013-2014 ACADEMIC CALENDAR YEAR 2

## FALL SEMESTER

**Oct 21, 2013- Feb 07, 2014**

**MED 201 – Cell and Tissue: Homeostasis**

*Subject Committee Examination*

Oct 21-Nov 25, 2013

*Nov 25, 2013*

**MED 203 - Cell and Tissue: Infection and Neoplasia**

*Subject Committee Examination*

Nov 27, 2013-Jan 06, 2014

*Jan 06, 2014*

**MED 205 –Hematopoietic System and Related Disorders**

*Subject Committee Examination*

Jan 08-Feb 07, 2014

*Feb 07, 2014*

**MED 207 - Clinical Medicine & Professional Skills-III**

*Subject Committee Examination*

Oct 22, 2013- Feb 04, 2014

*Feb 04, 2014*

**MED 209 - Medical Informatics and Biomedical Technologies-I**

*Subject Committee Examination*

Nov 01, 2013- June 13, 2014

*June 13, 2014*

**ENG 201 - Medical English-III**

*Course Examination*

Oct 23, 2013- Jan 31, 2014

*Jan 31, 2014*

**ELE 201 - Elective Course- III**

*Course Examination*

Oct 24, 2013- Jan 31, 2014

*Jan 31, 2014*

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**Midyear Recess**

**Feb 10-21, 2014**

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## SPRING SEMESTER

**Feb 24, 2014- June 16, 2014**

**MED 206- Musculoskeletal System and Related Disorders**

*Subject Committee Examination*

Feb 24- Apr 24, 2014

*Apr 24, 2014*

**MED 208 –Respiratory System and Related Disorders**

*Subject Committee Examination*

Apr 25- June 16, 2014

*June 16, 2014*

**MED 210 - Clinical Medicine & Professional Skills-IV**

*Subject Committee Examination*

Feb 25- June 13, 2014

*June 13, 2014*

**ENG 202 - Medical English-IV**

*Course Examination*

Feb 26- May 22, 2014

*May 22, 2014*

**ELE 202 - Elective Course- IV**

*Course Examination*

Feb 27- May 22, 2014

*May 22, 2014*

**Final Examination**

**July 16, 2014**

**Make up Examination**

**August 13, 2014**

## Holidays

October 29, 2013 (Republic Day)

January 1, 2014 (New Year's Day)

April 23, 2014 (National Sovereignty and Childrens Day)

May 1, 2014 (Labour and Solidarity Day)

May 19, 2014 (Commemoration Atatürk, Youth and Sports Day)

# 2013-2014 ACADEMIC CALENDAR YEAR 3

## FALL SEMESTER

**Oct 21, 2013 - Feb 14, 2014**

**MED 303 - Cardiovascular System and Related Disorders**  
*Subject Committee Examination*

Oct 21-Nov 25, 2013  
*Nov 25, 2013*

**MED 305 - Nervous System and Related Disorders**  
*Subject Committee Examination*

Nov 26, 2013-Jan 08, 2014  
*Jan 08, 2014*

**MED 307 - Growth, Development & Endocrine Disorders**  
*Subject Committee Examination*

Jan 09-Feb 14, 2014  
*Feb 14, 2014*

**MED 309 - Clinical Medicine & Professional Skills-V**  
*Subject Committee Examination*

Oct 23, 2013-Feb 5, 2014  
*Feb 5, 2014*

**MED 311 - Medical Informatics and Biomedical Technologies-II**  
*Subject Committee Examination*

Nov 01, 2013- May 27, 2014  
*May 27, 2014*

**ENG 301 - Medical English-V**  
*Course Examination*

Oct 22, 2013- Feb 07, 2014  
*Feb 07, 2014*

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**Midyear Recess**

**Feb 17-28, 2014**

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## SPRING SEMESTER

**Mar 03, 2014 -  
June 16, 2014**

**MED 304 - Gastrointestinal System and Related Disorders**  
*Subject Committee Examination*

Mar 03- Apr 21, 2014  
*Apr 21, 2014*

**MED 306 - Urogenital System and Related Disorders**  
*Subject Committee Examination*

Apr 22- June 16, 2014  
*June 16, 2014*

**MED 308 - Clinical Medicine & Professional Skills-VI**  
*Subject Committee Examination*

Mar 05- June 04, 2014  
*June 04, 2014*

**ENG 302 - Medical English-VI**  
*Course Examination*

Mar 06- May 20, 2014  
*May 20, 2014*

**Final Examination**  
**Make up Examination**

**July 18, 2014**  
**August 15, 2014**

### Holidays

October 29, 2013 (Republic Day)

January 1, 2014 (New Year's Day)

April 23, 2014 (National Sovereignty and Childrens Day)

May 1, 2014 (Labour and Solidarity Day)

May 19, 2014 (Commemoration Atatürk, Youth and Sports Day)

# 2013-2014 ACADEMIC CALENDAR YEAR 4

## **MED 401- Internal Medicine**

Gruop A : Sept 02 - Nov 15, 2013  
Gruop B : Nov 18 - Jan 31, 2014  
Gruop C : Feb 03 - Apr 18, 2014  
Gruop D : Apr 21- July 04, 2014

## **MED 402- Surgery**

Gruop D : Sept 02 - Nov 08,2013  
Gruop A : Nov 18 - Jan 24, 2014  
Gruop B : Feb 03 - Apr 11, 2014  
Gruop C : Apr 21- Jun 27, 2014

## **MED 403 - Pediatric Surgery**

Gruop C : Spt 02 - Nov 08,2013  
Gruop D : Nov18 - Jan 24, 2014  
Gruop A : Feb 03 - Apr 11, 2014  
Gruop B : Apr 21 - Jun 27, 2014

## **MED 404- Obstetrics and Gynecology**

Gruop B : Spt 02 - Oct 22, 2013  
Gruop C : Nov18 - Jan 07, 2014  
Gruop D : Feb 03 - Mar 25, 2014  
Gruop A : Apr 21 - Jun 10, 2014

## **MED 405- Urology**

Gruop B : Oct 23 - Nov 08,2013  
Gruop C : Jan 08 - Jan 24, 2014  
Gruop D : Mar 26 - Apr 11, 2014  
Gruop A : Jun 11 - Jun. 27, 2014

# 2013-2014 ACADEMIC CALENDAR YEAR 5

## **MED 501-Neurology**

Group A: Sep 02-Sep 27,2013  
Group B:Nov 18-Dec 13,2013  
Group C:Feb 17-Mar 14,2014

## **MED 502- Neurosurgery**

Group A: Sep 30-Oct 25,2013  
Group B:Dec 12-Jan 10,2014  
Group C: Mar 17-Apr 11,2014

## **MED 503- Psychiatry**

Group A: Oct 28-Nov 15,2013  
Group B: Jan 13-Jan 31,2014  
Group C: Apr 14-May 02,2014

## **MED 504- Otolaryngology - Head and Neck Surgery**

Group C: Sep 02-Sep 20,2013  
Group A: Nov 18-Dec 6,2013  
Group B: Feb 17-Mar 07,2014

## **MED 505- Ophthalmology**

Group C: Sep 23-Oct 4,2013  
Group A: Dec 9-Dec 20,2014  
Group B: Mar 10, Mar 21,2014

## **MED 506- Dermatology**

Group C: Oct 7, Oct 25,2013  
Group A: Dec 23-Jan 10,2014  
Group B: Mar 24, Apr 11,2014

## **MED 507- Radiology**

Group C: Oct 28, Nov 15,2013  
Group A: Jan 1-Jan 31,2014  
Group B: Apr 14, May 2,2014

## **MED 508- Orthopedics and Traumatology Physical Medicine and Rehabilitation**

Group B: Sep 2, Oct 4,2013  
Group A: Nov 18, Dec 20,2013  
Group C: Feb 17-,Mar 21, 2014

## **MED 509- Forensic Medicine**

Group A,B, C: May 5, May 16, 2014

## **Elective Clerkship - 1**

Group C: Sep 23,Oct 11, 2013  
Group A:Dec 23, Jan 10, 2014  
Group B: Mar 24, , Apr 11,2014

## **Elective Clerkship - 2**

Group C: Oct 28-Nov 15,2013  
Group A: Jan 13-Jan 31,2014  
Group B: Apr 14, May 2,2014

## **Elective Clerkship - 3**

Group C: May 19,Jun 6, 2014  
Group A: May 19,Jun 6, 2014  
Group B: May 19,Jun 6, 2014



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# MEDICAL EDUCATION PROGRAM OUTLINE

YEAR 1				
SUBJECT COMMITTEES	INTRODUCTION TO BASIC MEDICAL SCIENCES			
	Cellular Basis of Medicine	Cellular Transport and Metabolism	From Cell to Tissue, From Tissue to Organ	Body Functions and Human Behavior
	CLINICAL MEDICINE AND PROFESSIONAL SKILLS I-II			
	Basic Communication Skills	Medical Ethics and Humanities	Health and Society	Research in Health
	MEDICAL INFORMATICS			
	Information Technologies	Basic Concepts in Bioinformatics		
OTHER COURSES	MEDICAL ENGLISH ATATÜRK'S PRINCIPLES AND HISTORY OF REVOLUTION TURKISH LANGUAGE AND LITERATURE ELECTIVE COURSES			

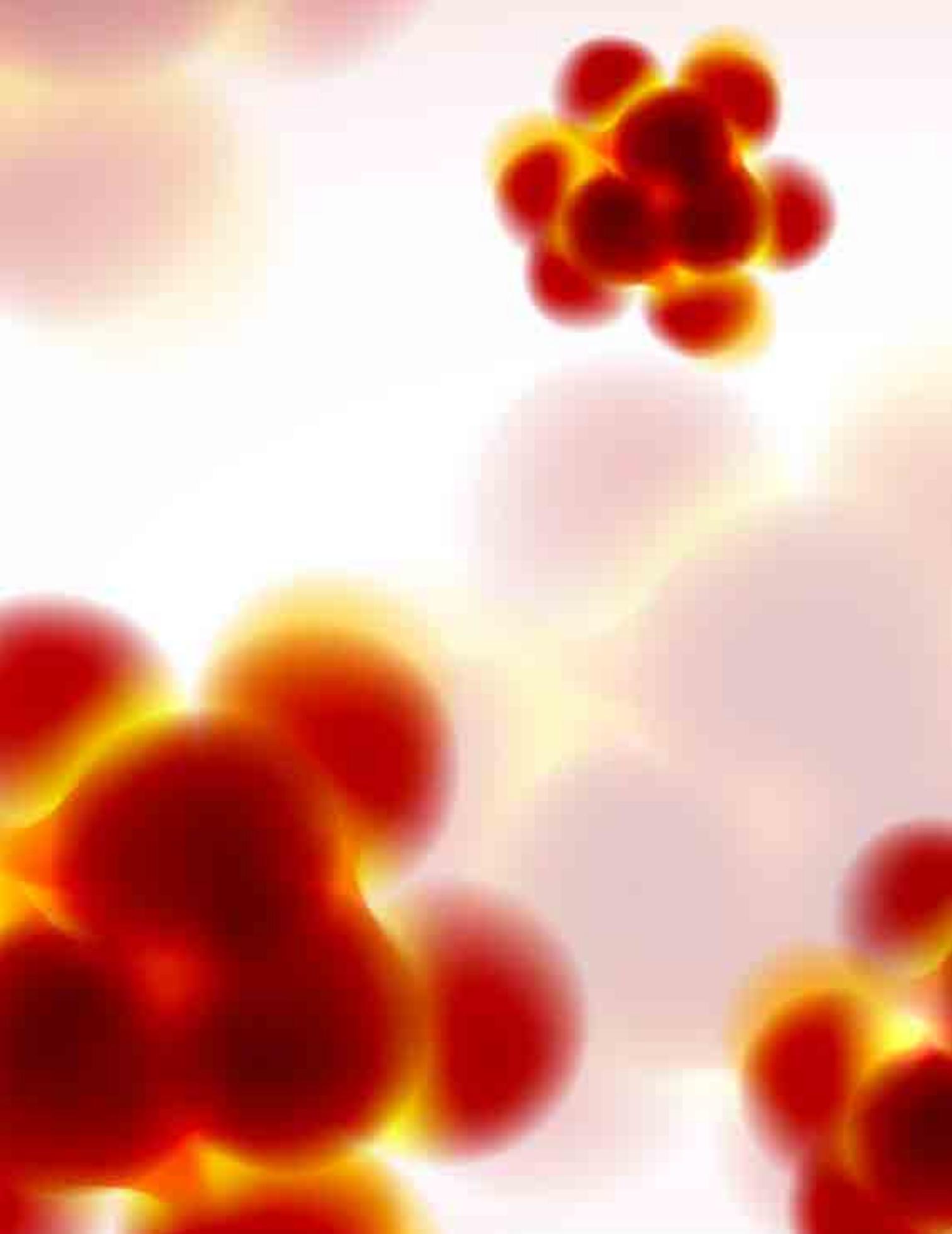
YEAR 2					
SUBJECT COMMITTEES	THE HUMAN BODY: STRUCTURES, FUNCTIONS AND PATHOLOGIES				
	Cell & Tissue : Homeostiasis	Cell & Tissue: Infection and Neoplasia	Hematopoietic System and Related Disorders	Musculoskeletal System and Related Disorders	Pulmonary System and Related Disorders
	CLINICAL MEDICINE AND PROFESSIONAL SKILLS III - IV				
	Research in Health	Clinical and Communication Skills	Medical Ethics and Humanities	Health and Society	
	MEDICAL INFORMATICS AND BIOMEDICAL TECHNOLOGIES-I				
	Bioinformatics	Biomedical Technologies	Information Technologies		
OTHER COURSES	MEDICAL ENGLISH ELECTIVE COURSES				

YEAR 3					
THE HUMAN BODY : STRUCTURES, FUNCTIONS AND PATHOLOGIES					
<b>SUBJECT COMMITTEES</b>	Cardiovascular System and Related Disorders	Nervous System and Related Disorders	Growth Development and Endocrine Disorders	Gastrointestinal System and Related Disorders	Urogenital System and Related Disorders
	CLINICAL MEDICINE AND PROFESSIONAL SKILLS V-VI				
	Evidence Based Medicine	Advanced Communication Skills	Practice in Primary Healthcare	Health Economics Systems and Policy	Comprehensive Medical Practice
	MEDICAL INFORMATICS AND BIOMEDICAL TECHNOLOGIES - II				
	Bioinformatics	Biomedical Technologies	Information Technologies		
<b>OTHER COURSES</b>	MEDICAL ENGLISH				

YEAR 4				
CLERKSHIPS: DIAGNOSIS & THERAPY				
Internal Medicine	Surgery	Pediatrics and Pediatric Surgery	Gynecology	Urology

YEAR 5				
CLERKSHIPS: DIAGNOSIS & THERAPY				
Neurology	Neurosurgery	Psychiatry	OHNS	Ophthalmology
Dermatology	Radiology	Orthopedics & PMR		Forensic Medicine

PMR: Physical Medicine and Rehabilitation  
 OHNS: Otolaryngology, Head and Neck Surgery





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# 2013-2014 YEAR 1

SCHOOL OF MEDICINE

# YEAR 1 COURSE CREDITS

COURSES	Theoretical Hours			Practical Hours			Study Time	Total	National credits	ECTS
	Lectures	IALS	Sub-Total	Lab study	Field study	Sub-Total				
Cellular Basis of Medicine	73	0	73	10	0	10	96	179	6	7
Cellular Transport and Metabolism	73	0	73	10	0	10	92	175	6	7
From Cell to Tissue / Tissue to Organ	82	10	92	13	0	13	90	195	7	7
Body Functions and Human Behavior	87	0	87	21	0	21	100	205	7	8
Clinical Medicine and Professional Skills –I	30	22	52	21	10	31	100	183	5	7
Clinical Medicine and Professional Skills II	12	32	44	0	39	39	80	163	5	6
Medical Informatics	25	0	25	95	0	95	40	160	5	6
Medical English-I	20	0	20	40	0	40	20	80	3	3
Medical English-II	16	0	20	41	0	41	20	81	3	3
Atatürk's Principles and History of Revolution – I	28	0	28	0	0	0	5	33	2	1
Atatürk's Principles and History of Revolution –II	28	0	28	0	0	0	5	33	2	1
Turkish Language and Literature	28	0	28	0	0	0	5	33	2	1
Turkish Language and Literature	28	0	28	0	0	0	5	33	2	1
Elective Course-I	28	0	28	0	0	0	5	33	2	1
Elective Course-II	28	0	28	0	0	0	5	33	2	1
<b>TOTAL</b>	<b>586</b>	<b>64</b>	<b>654</b>	<b>251</b>	<b>49</b>	<b>300</b>	<b>668</b>	<b>1622</b>	<b>59</b>	<b>60</b>

**IALS** Interactive Learning Sessions

(Panels, debates, discussions, symposia, case studies, problem-based learning sessions, etc.)

**Field Study** Site visits, Studies in the community, Working in health facilities

**Lab Study** Clinical skills labs, Basic sciences labs, Computer labs, Performance sessions

**Study Time** Self Directed Learning, Preparation

# YEAR 1 COURSE INFORMATIONS

Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	73	Credit	ECTS
			Practical (Hour)	10		
Cellular Basis of Medicine	MED 101	Fall	Study time (Hour)	96	6	7

<b>Educational Language</b>	:	English
<b>Course Type</b>	:	Compulsory
<b>Course Level</b>	:	Undergraduate
<b>Year Coordinators</b>	:	Prof. Serap Arbak; serap.arbak@acibadem.edu.tr Assist. Prof. Cemaliye Akyerli Boylu; cemaliye.boylu@acibadem.edu.tr
<b>Committee Chairs</b>	:	Assist. Prof. Melike Şahiner; melike.sahiner@acibadem.edu.tr Assist. Prof. Yavuz Oktay; yavuz.oktay@acibadem.edu.tr
<b>Academic Units &amp; Staff</b>	:	<p><b>Behavioral Sciences:</b> Burcu GÖKSAN YAVUZ, M.D., Assist. Prof.</p> <p><b>Biophysics:</b> Beki KAN, Ph.D., Prof. Evren KILINÇ, Ph.D., Assist. Prof. Devrim ÖZ ARSLAN, Ph.D., Assist. Prof.</p> <p><b>Chemistry:</b> Mert ÜLGEN., Ph.D., Prof.</p> <p><b>Histology &amp; Embryology:</b> Serap ARBAK, Ph.D., Prof.. Deniz YÜCEL, Ph.D., Assist. Prof.</p> <p><b>Medical Biochemistry:</b> Aysel ÖZPINAR, D.V.M. Ph.D., Prof. Abdurrahman COŞKUN, M.D., Assoc. Prof. Özge CAN, Ph.D., Assist. Prof.</p> <p><b>Medical Biology:</b> Cengiz YAKICIER, M.D., Ph.D., Assoc. Prof. Cemaliye AKYERLİ BOYLU, Ph.D., Assist. Prof. Yavuz OKTAY, Ph.D., Assist. Prof. Deniz AĞIRBAŞLI, M.D. Ph.D., Assist. Prof.</p> <p><b>Physics:</b> Evren KILINÇ, Ph.D., Assist. Prof.</p>
<b>Course Date</b>	:	22.10.2013-06.12.2013
<b>Educational Methods</b>	:	Theoretical Lectures and Lab Study
<b>Assessment Methods</b>	:	Theoretical and practical examinations
<b>Course Aims</b>	:	This subject committee aims to provide necessary knowledge about the functional structure of a cell including its building blocks and organelles. DNA replication processes and cell division will explained. Basic information about the origin of life, heredity together with flow of genetic information, molecular basis of genetic diseases, and principles of gene therapy will be described. Biology and genetics of human behavior will be discussed. Principles of chemistry, biophysics and biochemistry in medicine will be also defined.

<p><b>Learning Outcomes</b></p>	<p>By the end of this committee, the students will be able to:</p> <ul style="list-style-type: none"> <li>• review basic information and theories about the cellular organizations that constitute life at molecular level</li> <li>• discuss the discovery, mechanisms and evidences of evolution</li> <li>• summarize the history of DNA discovery and describe the structure of DNA and RNA</li> <li>• define the cell at ultrastructural level</li> <li>• correlate and interpret organelle ultrastructure and its function</li> <li>• identify and compare the structural elements of different cells</li> <li>• explain the cell division process, identify and compare mitosis &amp; meiosis</li> <li>• recognize the gene organization, structure and function</li> <li>• explain biological process of DNA replication and recombination process</li> <li>• classify DNA damage and identify DNA repair mechanisms</li> <li>• explain the basic principles of DNA packaging, chromatin formation and maintenance</li> <li>• discuss control of cell cycle and molecular mechanisms of apoptosis</li> <li>• describe the basic principles of flow of genetic information</li> <li>• explain the principles of clinical cytogenetics, patterns of inheritance, Mendelian and Non-Mendelian Genetics including population genetics</li> <li>• distinguish and define mutations and polymorphisms including classification of different types</li> <li>• explain the molecular basis of genetic diseases including chromosomal anomalies</li> <li>• recognize tools of molecular biology and genetics used in medicine</li> <li>• observe and isolate human genomic DNA from whole blood and check it on agarose gel</li> <li>• characterize genetics of cancer cells and state the importance of oncogenes, tumor suppressor genes and two-hit hypothesis in cancer</li> <li>• discuss pharmacogenetics and explain basic principles of gene therapy with examples</li> <li>• summarize the biology and genetics of human behavior</li> <li>• indicate the connections of biophysics with other branches of science</li> <li>• give examples to important contributions of biophysics to medicine</li> <li>• define atom, element, molecule and matter</li> <li>• describe the properties of different types of bonds</li> <li>• explain the basic laws of one and two-dimensional movements and also define the physical units and measurements</li> <li>• describe acids, bases, salts, ionization and pH</li> <li>• recognize metals and non-metals in living organisms</li> <li>• classify bonds and properties of inorganic and organic compounds</li> <li>• explain concentration units and important analytical calculations and role of functional groups in medicine</li> <li>• explain the importance of radioactivity in medicine</li> <li>• define chemical reactions of important organic molecules in medicine and effects of these molecules in living organisms</li> <li>• describe the basic principles of medical biochemistry</li> </ul>
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Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	73	Credit	ECTS
			Practical (Hour)	10		
Cellular Transport and Metabolism	MED 103	Fall	Study time (Hour)	92	6	7

<b>Educational Language</b>	:	English
<b>Course Type</b>	:	Compulsory
<b>Course Level</b>	:	Undergraduate
<b>Year Coordinators</b>	:	Prof. Serap Arbak; serap.arbak@acibadem.edu.tr Assist. Prof. Cemaliye Akyerli Boylu; cemaliye.boylu@acibadem.edu.tr
<b>Committee Chairs</b>	:	Assist. Prof. Deniz Ağırbaşı; deniz.agirbasli@acibadem.edu.tr Assist. Prof. Evren Kılınç; evren.kilinc@acibadem.edu.tr
<b>Academic Units &amp; Staff</b>	:	<p><b>Anatomy:</b> Alp BAYRAMOĞLU, M.D., Ph.D., Prof. Elif Nedret KESKİNÖZ, MSc, Instructor</p> <p><b>Biophysics:</b> Beki KAN, Ph.D., Prof. Evren KILINÇ, Ph.D., Assist. Prof. Devrim ÖZ ARSLAN, Ph.D., Assist. Prof.</p> <p><b>Chemistry:</b> Mert ÜLGEN., Ph.D., Prof.</p> <p><b>Medical Biochemistry:</b> Aysel ÖZPINAR, D.V.M. Ph.D., Prof. İbrahim ÜNSAL, M.D., Ph.D., Prof. Özge CAN, Ph.D., Assist. Prof.</p> <p><b>Medical Biology:</b> Cengiz YAKICIER, M.D., Ph.D., Assoc. Prof. Cemaliye AKYERLİ BOYLU, Ph.D., Assist. Prof. Yavuz OKTAY, Ph.D., Assist. Prof. Deniz AĞIRBAŞLI, M.D, Ph.D., Assist. Prof.</p> <p><b>Physics:</b> Evren KILINÇ, Ph.D., Assist. Prof.</p> <p><b>Physiology:</b> Mehmet ERGEN, D.V.M., Ph.D., Assist. Prof.</p> <p><b>Radiology:</b> Canan ERZEN, M.D, Prof. Alp DİNÇER, M.D., Assoc. Prof.</p>
<b>Course Date</b>	:	09.12.2013-07.02.2014
<b>Educational Methods</b>	:	Theoretical lectures, problem based learning modules, lab and field study
<b>Assessment Methods</b>	:	Theoretical and practical examinations
<b>Course Aims</b>	:	The aim of this committee is to lay the grounds for understanding the structure of biological macromolecules, the physical and functional properties of the cell membrane, transport mechanisms, cellular homeostasis, metabolic pathways within the cell and cellular signaling, using an interdisciplinary and molecular approach. Topics related to, the mitochondrial genome, recombinant DNA technology, the human genome project, as well as basic concepts of electricity, thermodynamics and radiological imaging will be presented. Students will also be informed on the philosophy and methodology of interactive learning modules.

<p><b>Learning Outcomes</b></p>	<p>By the end of this committee, the students will be able to:</p> <ul style="list-style-type: none"> <li>• define homeostasis, name the major homeostatic functional systems of the body and state reactions to maintain homeostasis</li> <li>• give an outline of endogenous organic compounds in the body</li> <li>• describe the structure of biological membranes and their components</li> <li>• indicate the properties and functions of membrane proteins</li> <li>• describe the physical principles of movement of molecules across membranes</li> <li>• review signaling mechanisms within and among cells and basic principles of specificity for receptors and messengers.</li> <li>• list properties of electric charges, insulators, conductors</li> <li>• define Coulomb's Law and use formulae in solving problems</li> <li>• describe the electrical potential due to point charges and electric dipole</li> <li>• name factors that affect the resting membrane potential</li> <li>• describe basic principles of transport of molecules and ions across membranes using energy</li> <li>• explain the generation and phases of the action potential</li> <li>• describe propagation of the action potential by passive spread</li> <li>• state the properties of the mitochondrial genome and inheritance, define mitochondrial disorders</li> <li>• explain the basics of recombinant DNA technology and its diagnostic and therapeutic implications</li> <li>• discuss the aims and outcomes of the human genome project and its implications in medicine</li> <li>• describe the structure and nomenclature of carbohydrates, proteins and lipids and their physiologic significance</li> <li>• explain the nucleic acid structure</li> <li>• describe the units of electric circuit and its properties</li> <li>• acquire knowledge on the flow of energy in nature and the laws of thermodynamics</li> <li>• describe concepts and principles relating to the second law of thermodynamics.</li> <li>• explain the resting state electrochemical potentials and Nernst equilibrium potential of the membrane</li> <li>• illustrate how energy yielding reactions are driven</li> <li>• gain an overview of the energetics of glycolysis and oxidative phosphorylation</li> <li>• discuss the concept of Gibbs free energy and thermodynamic properties of water</li> <li>• acquire basic laboratory skills and observe separation and purification techniques of organic compounds</li> <li>• define in general the functions and locations of the human organs</li> <li>• acquire basic knowledge on the history of radiology</li> <li>• explain definitions and basic terminology in radiology, define the types of images and their impact</li> <li>• define the principles of organization of simple and complex genomes, exemplify disease conditions</li> <li>• define the biochemical basis of metabolism</li> </ul>
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Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	52	Credit	ECTS
			Practical (Hour)	31		
<b>Clinical Medicine and Professional Skills -I</b>	<b>MED 105</b>	<b>Fall</b>	<b>Study Time (Hour)</b>	<b>100</b>	<b>5</b>	<b>7</b>
<b>Educational Language</b>	: English					
<b>Course Type</b>	: Compulsory					
<b>Course Level</b>	: Undergraduate					
<b>Year Coordinators</b>	: Prof. Serap ARBAK; serap.arbak@acibadem.edu.tr Assist. Prof. Cemaliye AKYERLİ BOYLU; cemaliye.boylu@acibadem.edu.tr					
<b>CMPS Coordinators</b>	: Assoc. Prof. Pınar TOPSEVER pınar.topsever@acibadem.edu.tr Assist. Prof. Figen DEMİR, figen.demir@acibadem.edu.tr					
<b>Academic Units &amp; Staff</b>	: <p><b>Behavioral Science</b> Kültegin ÖGEL, M.D., Prof.</p> <p><b>Family Medicine</b> Pınar TOPSEVER, M.D., Assoc. Prof. Efe ONGANER, M.D., Assist. Prof. Demet DİNÇ, M.D., Instructor</p> <p><b>History of Medicine and Ethics</b> Yeşim Işıl ÜLMAN, Ph.D., Prof. Fatih ARTVİNLİ, Ph.D., Assist. Prof.</p> <p><b>Physiology</b> Melike ŞAHİNER, M.D., Ph.D., Assist. Prof.</p> <p><b>Public Health</b> Nadi BAKIRCI, M.D., Ph.D., Prof. Figen DEMİR, M.D., Assist. Prof.</p> <p><b>Affiliated Faculty</b> Ahmet ÇAKIROĞLU, M.D., Prof. Yeşim YASİN, MSc. Şirin PARKAN, M.D. Sabah TÜZÜN, M.D. Mehmet Emin AKSOY, M.D. Dilek KİTAPÇIOĞLU, M.D. Ferah GÜVEN, M.D.</p>					
<b>Course Date</b>	: 24.10.2013-27.01.2014					
<b>Educational Methods</b>	: Theoretical and practical sessions, drama, role playing, peer discussions, experiential learning and seminars, case studies and group presentations.					
<b>Assessment Methods</b>	: Written examination, case analysis, standardized evaluation of projects and performances and group presentations of assignments.					

<p><b>Course Aims</b></p>	<p>This course aims to;</p> <p><b>Communication Skills:</b> provide necessary knowledge and skills about;</p> <ul style="list-style-type: none"> <li>• concept of communication</li> <li>• effective communication and its clinical competence</li> <li>• developing a sense of self awareness and respect for other individuals by empathy</li> <li>• the necessity for a patient centred approach</li> </ul> <p><b>Medical Ethics and Humanities:</b> create a learning opportunity for students</p> <ul style="list-style-type: none"> <li>• understand the historical process of the evolution of contemporary medicine and to get acquainted with main principles of bioethics and medical ethics</li> <li>• develop an awareness about her/his role as a physician</li> <li>• comprehend the universal principles of human rights and the right to health</li> </ul> <p><b>First Aid</b></p> <ul style="list-style-type: none"> <li>• administer first aid procedures in case of emergencies</li> </ul>
<p><b>Learning Outcomes</b></p>	<p>By the end of this course, the students will;</p> <p><b>Communication Skills:</b></p> <ul style="list-style-type: none"> <li>• be aware that effective communication is a clinical competence and can be learned</li> <li>• explain the concept of communication</li> <li>• name the steps of communication process during medical interview,</li> <li>• be aware of the importance of communication skills for “good clinical practice”</li> <li>• distinguish different levels of active listening,</li> <li>• link communication steps to a structured and effective physician-patient interview</li> <li>• be self-aware of his/her communication skills</li> <li>• value respect for other individuals by empathy</li> <li>• be aware of the necessity to display a compassionate and patient-centred approach based on humanistic-ethical values and respect for others when communicating with patients and/or with persons in their social environment</li> </ul> <p><b>Medical Ethics and Humanities:</b></p> <ul style="list-style-type: none"> <li>• aware of the evolution of medical practice by reviewing concepts and principles of philosophy of medicine</li> <li>• familiar with the concept of bioethics and medical ethics</li> <li>• to apply ethical discourse and methodology to a medical context</li> </ul> <p><i>History of Medicine:</i></p> <ul style="list-style-type: none"> <li>• identify the role and functions of physician and health care throughout the ages</li> <li>• explain the historical milestones of the evolution of medicine such as: <ul style="list-style-type: none"> <li>○ Hippocratic secular approach,</li> <li>○ establishment of first medical schools,</li> <li>○ progress of physical diagnosis,</li> <li>○ the emergence of public health,</li> <li>○ development of the scientific method and its impact on modern medicine</li> </ul> </li> </ul> <p><i>Physician's role in community:</i></p> <ul style="list-style-type: none"> <li>• analyze the relationship between perception about physicians and the role of physicians in the community</li> <li>• identify the characteristics of the doctor patient relationship concerning its ambivalent and asymmetric features</li> </ul> <p><i>Human rights and right to health:</i></p> <ul style="list-style-type: none"> <li>• explain and analyze human rights and right to health <ul style="list-style-type: none"> <li>○ explain the evolution of human rights</li> <li>○ summarize the content and formation of third generation of human rights</li> <li>○ list the basic documents produced concerning human rights and interpret their contents</li> <li>○ define the main components of the right to health</li> <li>○ be aware of the position of the right to health within human rights</li> <li>○ correlate the right to health to the healthcare service</li> <li>○ identify the violation of right to health</li> <li>○ correlate human rights to bioethics namely human dignity, respect to individual, self-determination, informed consent, bodily integrity, non-discrimination, privacy, confidentiality and equity</li> </ul> </li> </ul> <p><b>First Aid</b></p> <ul style="list-style-type: none"> <li>○ name and justify the different steps of the first aid procedure;</li> <li>○ administer first aid procedures in case of emergencies</li> </ul>

Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	25	Credit	ECTS
			Practical (Hour)	95		
Medical Informatics	MED 107	Fall/Spring	Study time (Hour)	40	5	6
Educational Language	:	English				
Course Type	:	Compulsory				
Course Level	:	Undergraduate				
Year Coordinators	:	Prof. Serap Arbak; serap.arbak@acibadem.edu.tr Assist. Prof. Cemaliye Akyerli Boylu; cemaliye.boylu@acibadem.edu.tr				
Course Coordinators	:	Prof. Tanıl KOCAGÖZ, tanilkocagoz@gmail.com Hülya KARAYAZI., hulya.karayazi@acibadem.edu.tr				
Academic Units & Staff	:	<b>Information Technologies:</b> Beyza AKBAŞOĞLU Numan BAYÜLKEN Kağan ÖZERHAN Doğan ULUTÜRK <b>Bioinformatics:</b> Sinan FINDIK, MSc.				
Course Date	:	22.10.2013-05.06.2014				
Educational Methods	:	Theoretical and Practical Courses				
Assessment Methods	:	Theoretical and practical examinations, Homeworks, Presentations				
Course Aims	:	<p>The first part of this course examines Information Technology and its components used in Healthcare Organizations. The survey starts with the basics of computer hardware and software systems, the latest technology products and its usages and goes on with automation systems. During the course students will learn the basics of Information Technology, information security and confidentiality, usage of latest technology products especially Microsoft Office.</p> <p>The second part of this course is to explain the basic concepts in bioinformatics and to use important data basis such as BLAST, NCBI. Differential Gene Expression and clustering, phylogenetic analysis, sequencing and alignment, structural bioinformatics, biomarker discovery and computational medicine will be described.</p>				

Learning Outcomes	<ul style="list-style-type: none"> <li>• By the end of this course, the students will be able to:</li> <li>• gain knowledge on computer systems. (Operating, hardware and software systems, databases.)</li> <li>• use Microsoft Office products professionally.</li> <li>• make data analyses by Microsoft Excel functionalities.</li> <li>• create basic web sites.</li> <li>• gain skills about project management.</li> <li>• have experience on data security</li> <li>• learn about the importance of Information Technology infrastructure for improving the science.</li> <li>• review historical perspectives of bioinformatics</li> <li>• recognize access on bioinformatic data basis</li> <li>• use nucleic acid sequencing and alignment</li> <li>• describe and use differential gene expression and clustering</li> <li>• summarize functional pathway analysis</li> <li>• compare genes and their functions</li> <li>• define phylogenetic analysis</li> <li>• use BLAST on GenBank, NCBI and PDB protein structure data base</li> <li>• search nucleic acid databases in PubMed</li> <li>• understand how biomarkers can be discovered using bioinformatics</li> <li>• predict protein structure and function from sequence</li> <li>• understand how new drugs are designed by homology modeling</li> <li>• learn the principles synthetic biology</li> </ul>
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Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	92	Credit	ECTS
			Practical (Hour)	13		
From Cell to Tissue /From Tissue to Organ	MED 104	Spring	Study time (Hour)	90	7	7

<b>Educational Language</b>	:	English
<b>Course Type</b>	:	Compulsory
<b>Course Level</b>	:	Undergraduate
<b>Year Coordinators</b>	:	Prof. Serap Arbak; serap.arbak@acibadem.edu.tr Assist. Prof. Cemaliye Akyerli Boylu; cemaliye.boylu@acibadem.edu.tr
<b>Committee Chairs</b>	:	Prof. Güldal SÜYEN; guldal.suyen@acibadem.edu.tr Instructor. Sinem Öktem OKULLU; sinem.oktem@acibadem.edu.tr
<b>Academic Units &amp; Staff</b>	:	<p><b>Anatomy:</b> Alp BAYRAMOĞLU, M.D., Prof. Elif Nedret KESKİNÖZ, MSc, Instructor</p> <p><b>Histology &amp; Embryology:</b> Serap ARBAK, Ph.D., Prof. Deniz YÜCEL, Ph.D., Assist. Prof.</p> <p><b>Medical Biochemistry:</b> Aysel ÖZPINAR, D.V.M., Ph.D., Prof. Özge CAN, Ph.D., Assist. Prof. Dr. Abdurrahman COŞKUN, M.D., Assoc. Prof.</p> <p><b>Medical Microbiology:</b> Tanıl KOCAGÖZ, M.D., Ph.D., Prof. Sesin KOCAGÖZ, M.D., Prof. Özgür KURT, M.D., PhD., Assoc. Prof. Onur KARATUNA, M.D., Assist. Prof.</p> <p><b>Physiology:</b> Meltem KOLGAZİ, Ph.D., Assist. Prof.</p> <p><b>Affiliated Faculty</b> <b>Histology &amp; Embryology:</b> Feriha ERCAN, Ph.D., Prof.</p>
<b>Course Date</b>	:	24.02.2014-18.04.2014
<b>Educational Methods</b>	:	Theoretical lectures and lab study, problem based learning modules
<b>Assessment Methods</b>	:	Theoretical and practical examinations, performance assessment.
<b>Course Aims</b>	:	<p>The aim of this committee is to give an overview on the anatomy and the physiology of basic systems of the body and the neuronal signaling mechanisms. The course will also provide basic knowledge about the different tissue types in the organism and histological features of cells forming these tissues, and will cover gametogenesis and an introduction to embryology. The biochemical thermodynamics and high energy compounds in the living systems, and the structure of proteins, carbohydrates and lipids and their metabolism in the body will be discussed. General structure of microorganisms will also be defined.</p> <p>Students will be oriented to problem-based learning by an interdisciplinary module related to the main topics of the subject committee.</p>

<b>Learning Outcomes</b>	<p>By the end of this committee, the students will be able to:</p> <ul style="list-style-type: none"> <li>• define the general histological structures of different tissue types such as epithelial, connective, muscle and nervous tissues.</li> <li>• list different types of epithelium, connective, bone and cartilage, muscle, nervous tissues, skin and adnex and describe their histological features and make correlations between their functions.</li> <li>• describe the induction mechanisms in embryology</li> <li>• explain the embryonic, extraembryonic and adult stem cell types</li> <li>• describe the process of the gametogenesis, maturation of the sperms and oocytes, outline the processes of fertilization and implantation, distinguish the morphological features in bilaminar and trilaminar embryonic stages, define the neurulation and its inductive effect of notochord on surface ectoderm</li> <li>• describe the histological features of placenta, the developmental stages of yolk sac and its derivatives</li> <li>• acquire knowledge concerning the congenital anomalies that occur during developmental process.</li> <li>• define neuromuscular junction and describe the sequences of events occurring at the neuromuscular junction following a stimulus.</li> <li>• define the synapse and name its components and recite and name the sequences of events occurring at the synapse following a stimulus.</li> <li>• define excitation and inhibition of nerves, and their effect on capability of neurons to generate action potential.</li> <li>• state three major levels of information processing in central nervous system (spinal cord level, subcortical level and cortical level).</li> <li>• define neurotransmitter and state mechanisms that regulate the duration of the neurotransmission.</li> <li>• explain the main visceral functions of sympathetic and parasympathetic systems.</li> <li>• discuss the role autonomic nervous system in maintenance of homeostasis.</li> <li>• describe endergonic and exergonic reactions and identify the oxidation and reduction in biochemical reactions.</li> <li>• recognize the structure and function of ATP and other high energy compounds, and describe the relationship between ATP and the work carried out by the cell.</li> <li>• define membrane potential and explain its role in ATP synthesis and thermogenesis.</li> <li>• summarize glucose transport, transporters and transport mechanisms</li> <li>• describe the structure and function of glycogen, outline the metabolic pathways for synthesis and degradation of glycogen and identify the glycogen storage diseases in liver and muscle.</li> <li>• describe how the TCA cycle is regulated.</li> <li>• describe the mechanism for counterregulation of glycogenolysis and glycogenesis in liver.</li> <li>• explain the functions of metabolism and discuss metabolic pathways</li> <li>• classify various microorganisms with their basic structural properties.</li> <li>• demonstrate upper and lower extremity bones</li> <li>• recognize, prepare, and argue about interdisciplinary module</li> </ul>
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Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	87	Credit	ECTS
			Practical (Hour)	21		
Body Functions and Human Behavior	MED 106	Spring	Study time (Hour)	100	7	8

<b>Educational Language</b>	:	English
<b>Course Type</b>	:	Compulsory
<b>Course Level</b>	:	Undergraduate
<b>Year Coordinators</b>	:	Prof. Serap Arbak; serap.arbak@acibadem.edu.tr Assist. Prof. Cemaliye Akyerli Boylu; cemaliye.boylu@acibadem.edu.tr
<b>Committee Chairs</b>	:	Prof. Mustafa Serteser; mserteser@acibademlabmed.com.tr Assist. Prof. Fatih Artvinli; fatih.artvinli@acibadem.edu.tr
<b>Academic Units &amp; Staff</b>	:	<p><b>Anatomy:</b> Alp BAYRAMOĞLU, M.D., Prof. Elif Nedret KESKİNÖZ, M.Sc., Instructor</p> <p><b>Behavioral Sciences:</b> İlyas GÖZ, Ph.D. Assoc. Prof. Ferzan CURUN, Ph.D., Assist. Prof. Burcu Göksan YAVUZ, M.D., Assist. Prof. Fatih ARTVINLI, Ph.D., Assist. Prof.</p> <p><b>Biophysics:</b> Beki KAN, Ph.D., Prof. Evren KILINÇ, Ph.D., Assist. Prof. Devrim ÖZ ARSLAN, Ph.D., Assist. Prof.</p> <p><b>Histology &amp; Embryology:</b> Serap ARBAK, Ph.D., Prof. Deniz YÜCEL, Ph.D., Assist. Prof.</p> <p><b>Medical Biochemistry:</b> Mustafa SERTESER, M.D., Prof. Abdurrahman COŞKUN, M.D., Assoc. Prof. Özge CAN, Ph.D., Assist. Prof.</p> <p><b>Medical Microbiology:</b> Tanıl KOCAGÖZ, M.D., Ph.D., Prof.</p> <p><b>Physics:</b> Evren KILINÇ, Ph.D., Assist. Prof.</p> <p><b>Physiology:</b> Mehmet ERGEN, D.V.M., Ph.D., Assist. Prof. Meltem KOLGAZİ, Ph.D., Assist. Prof.</p>
<b>Course Date</b>	:	21.04.2014-16.06.2014
<b>Educational Methods</b>	:	Theoretical Lectures and Lab Study
<b>Assessment Methods</b>	:	Theoretical and practical examinations,
<b>Course Aims</b>	:	The aim of this committee is to provide necessary knowledge about nervous and endocrine systems. The development of nervous system and endocrine organs will be explained along with the main sensory organs, eye and ear. The structure and function of sensory and endocrine systems will be defined. The whole human body skeleton will be explained. Biochemical and biophysical characteristics of nervous system will be explained. Biochemical importance of some tissues; epithelial, connective and adipose tissues, and basic principles of human behaviour will be covered.

<p><b>Learning Outcomes</b></p>	<p>By the end of this committee, the students will be able to:</p> <ul style="list-style-type: none"> <li>• demonstrate vertebral column and skull bones.</li> <li>• define the anatomy of the eye and ear</li> <li>• describe the extrinsic muscles of the eye.</li> <li>• describe the major parts of the central and peripheral nervous system, and explain their functions</li> <li>• distinguish the functions of both white and brown adipose tissue.</li> <li>• describe adipocyte derived proteins with endocrine functions.</li> <li>• describe the basic structure and function of cytokines and the role of cytokines in immune system and hematopoiesis.</li> <li>• define the structure and function of immunoglobulins.</li> <li>• distinguish between steroid and polypeptide hormones, and outline their mechanisms of action.</li> <li>• describe G-protein coupled receptors.</li> <li>• define sensory receptor.</li> <li>• explain the microscopic and macroscopic features of the nervous system</li> <li>• correlate morphology and physiology of the motor and sensory pathways</li> <li>• explain the morphology of the endocrine glands</li> <li>• define information transmission and content of information</li> <li>• explain the control mechanisms</li> <li>• describe biophysics of photoreception</li> <li>• define optics of vision</li> <li>• explain receptive fields and retinal processing</li> <li>• describe biophysics of auditory system</li> <li>• clarify the basic control mechanisms of the nervous and endocrine systems</li> <li>• describe the structure of photoreceptors</li> <li>• discuss the changes in the absorption spectrum of rhodopsin in response to light</li> <li>• define 'receptive field' in the visual system</li> <li>• explain how receptive field sizes and details of connections vary across the retina</li> <li>• define the biochemical properties of epithelial tissues.</li> <li>• explain the molecular structure of cell junctions.</li> <li>• define extracellular matrix and different components connective tissue</li> <li>• explain the human behavior and communication in health</li> <li>• indicate the most basic functions of sensing</li> <li>• list stimulus attributes</li> <li>• outline the physical and chemical stimuli converted to cellular signaling in nervous system (concept of transduction)</li> <li>• describe receptor potential and generator potential</li> <li>• define perception concept</li> <li>• describe human psychology and behavioral sciences</li> <li>• explain theories of psychopathology</li> <li>• identify personality and temperament</li> <li>• define attention, memory and learning</li> <li>• explain emotions, cognition, motivation, stress and biology of sleep</li> </ul>
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Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	44	Credit	ECTS
			Practical (Hour)	39		
Clinical Medicine and Professional Skills -II	MED 108	Spring	Study Time (Hour)	80	5	6

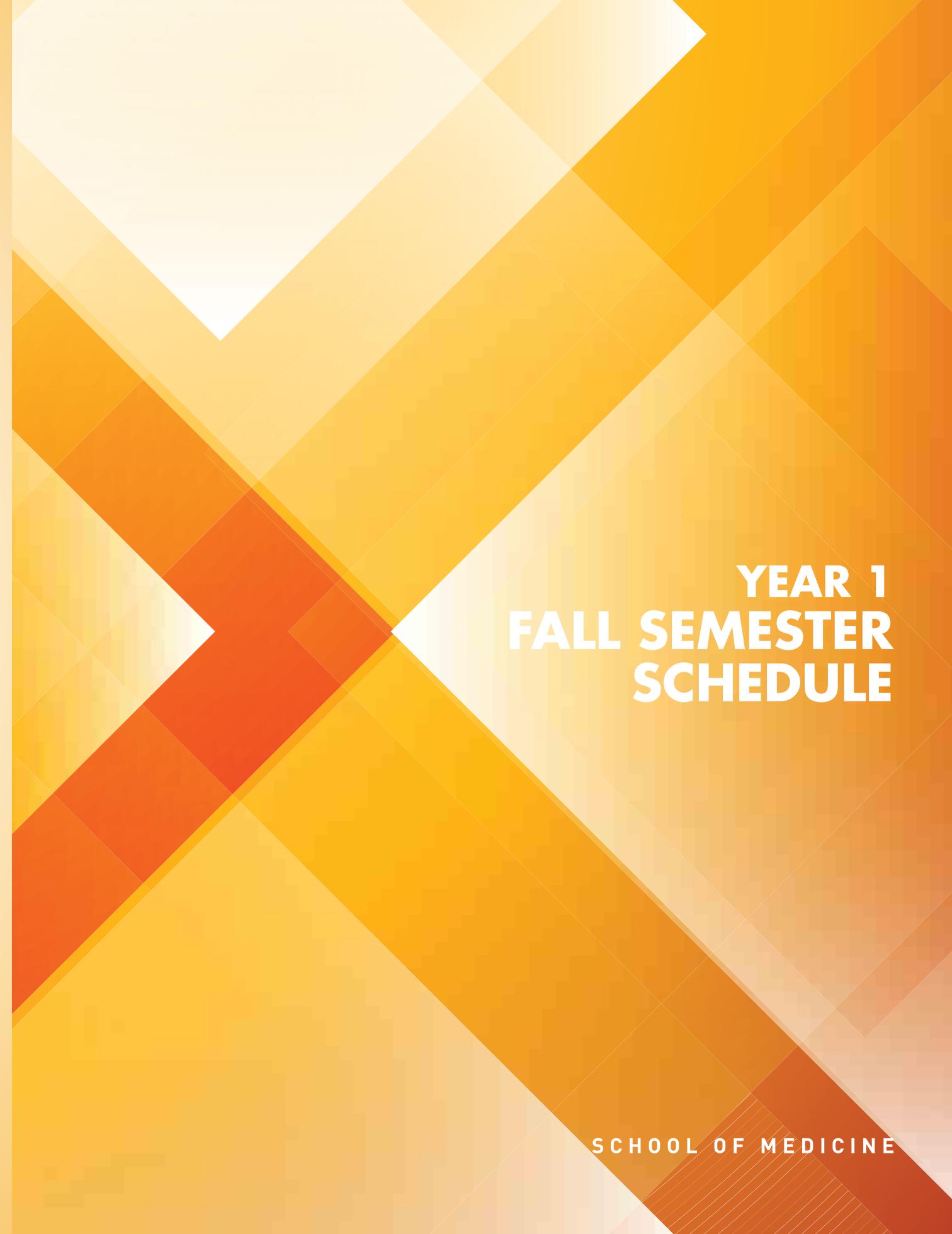
<b>Educational Language</b>	:	English
<b>Course Type</b>	:	Compulsory
<b>Course Level</b>	:	Undergraduate
<b>Year Coordinators</b>	:	Prof. Serap ARBAK; serap.arbak@acibadem.edu.tr Assist. Prof. Cemaliye AKYERLİ BOYLU; cemaliye.boylu@acibadem.edu.tr
<b>CMPS Coordinators</b>	:	Assoc. Prof. Pınar TOPSEVER pınar.topsever@acibadem.edu.tr Assist. Prof. Figen DEMİR, figen.demir@acibadem.edu.tr
<b>Academic Units &amp; Staff</b>	:	<p><b>Behavioral Science</b> Kültegin ÖGEL, M.D., Prof.</p> <p><b>Family Medicine</b> Pınar TOPSEVER, M.D., Assoc. Prof. Efe ONGANER, M.D., Assist. Prof. Demet DİNÇ, M.D., Instructor.</p> <p><b>Physiology</b> Melike ŞAHİNER, M.D., Ph.D., Assist. Prof.</p> <p><b>Pharmacology</b> İsmail Hakkı ULUS, MD., Ph.D., Prof.</p> <p><b>Public Health</b> Nadi BAKIRCI, M.D., PhD, Prof. Figen DEMİR, M.D., MPH, Assist. Prof.</p> <p><b>Affiliated Faculty</b> İnci USER Ph.D, Assoc.Prof. Yeşim YAŞIN, M.Sc. Şirin PARKAN, M.D. Sabah TÜZÜN, M.D.</p>
<b>Course Date</b>	:	27.02.2014-09.06.2014
<b>Educational Methods</b>	:	Site visits, group assignments, group presentations and discussions, reflective and peer group learning experiences, interactive lectures and self-directed learning sessions
<b>Assessment Methods</b>	:	Written examination, log-books, standardized evaluation of group presentations of assignments and projects, performances, case studies, interactive lectures and self-directed learning sessions.
<b>Course Aims</b>	:	<p>This course aims to;</p> <p><b>Health and Society:</b></p> <ul style="list-style-type: none"> <li>introduce the students to the social, cultural economic and political factors of health and illness and to acquaint them with the primary health care system in Turkey.</li> </ul> <p><b>Research in Health:</b></p> <ul style="list-style-type: none"> <li>create a learning opportunity for students to develop scientific thinking skills and to introduce the students to medical research methodology</li> </ul>

<p><b>Learning Outcomes</b></p>	<p>At the end of this session, students will be able to:</p> <p><b><i>Health and Society:</i></b></p> <ul style="list-style-type: none"> <li>• discuss sociological concepts of health, illness, sickness and disease <ul style="list-style-type: none"> <li>• identify the differences between illness, disease and sickness</li> <li>• compare and contrast the medical concept of disease with individual and/or community perceptions and explanations of health and illness/disease</li> </ul> </li> <li>• explain the impact of medicine upon society <ul style="list-style-type: none"> <li>• Labelling and stigmatization</li> <li>• Medicalization</li> </ul> </li> <li>• explain the changing patterns of disease and health care throughout history and across cultures</li> <li>• explain the social determinants of health and illness <ul style="list-style-type: none"> <li>• compare and contrast the theories of disease causation</li> <li>• define the socio demographic factors of health and illness</li> </ul> </li> <li>• explain health issues in a global context</li> <li>• discuss the issue of social inequalities in health</li> <li>• explain the principle of equity in health care</li> <li>• explain the basic structure of the health care system in Turkey</li> <li>• make a field observation about the practice of primary health care</li> </ul> <p><b><i>Research in Health:</i></b></p> <ul style="list-style-type: none"> <li>• distinguish between scientific philosophy and philosophy of science</li> <li>• explain the evolution of scientific thinking</li> <li>• describe fundamentals of scientific research and characteristics of scientific thinking methodology</li> <li>• discuss the scientific reasoning and the methodological framework in a medical research</li> <li>• describe the epidemiology and its context</li> <li>• analyse the key criteria to assess if a relationship is causal</li> </ul>
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ACIBADEM  
UNIVERSITY



**YEAR 1  
FALL SEMESTER  
SCHEDULE**

SCHOOL OF MEDICINE

**21.10.2013 MONDAY**

08:30 – 09:10	Orientation	
09:20 – 10:00	Orientation	
10:10 – 10:50	Orientation	
10:00 – 11:40	Orientation	
11:50 – 12:30	Orientation	
13:30 – 14:10	Orientation	
14:20 – 15:00	Orientation	
15:10 – 15:50	Orientation	
16:00 – 16:40	Orientation	

**22.10.2013 TUESDAY**

08:30 – 09:10	Introduction to Subject Committee: Cellular Basis of Medicine	Melike Şahiner – Yavuz Oktay
09:20 – 10:00	Origin of Life	Cemaliye Akyerli Boylu
10:10 – 10:50	Evolution and Genetics	Yavuz Oktay
11:00 – 11:40	Population Genetics	Yavuz Oktay
11:50 – 12:30	Introduction to Biophysics	Beki Kan
13:30 – 14:10	Basic Computer Hardware Informations_Group A	Numan Bayülken
14:20 – 15:00	Basic Computer Hardware Informations_Group A	Numan Bayülken
15:10 – 15:50	Basic Computer Hardware Informations_Group B	Numan Bayülken
16:00 – 16:40	Basic Computer Hardware Informations_Group B	Numan Bayülken

**23.10.2013 WEDNESDAY**

08:30 – 09:10	Nucleic Acids (DNA and RNA)	Yavuz Oktay
09:20 – 10:00	Genes and Heredity	Cemaliye Akyerli Boylu
10:10 – 10:50	Cell Organelles and Inclusions at Light and Electron Microscopic Level	Serap Arbak
11:00 – 11:40	Cell Organelles and Inclusions at Light and Electron Microscopic Level	Serap Arbak
11:50 – 12:30	Cell Organelles and Inclusions at Light and Electron Microscopic Level	Serap Arbak
13:30 – 14:10	Turkish Language and Literature	Hülya Dünder Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya Dünder Şahin
15:10 – 15:50	Structure of Nucleic Acids	Özge Can
16:00 – 17:30	Introduction to Inorganic Chemistry in Medicine	Mert Ülgen

**24.10.2013 THURSDAY**

08:30 – 09:10	Introduction to CMPS	Pınar Topsever, Figen Demir
09:20 – 10:00	Introduction to “CMPS-I: Basic Communication Skills”	Pınar Topsever, Demet Dinç
10:10 – 10:50	CMPS-I : Basic Communication Skills <i>Basics of Communication</i>	Pınar Topsever, Demet Dinç,
11:00 – 11:40		Efe Onganer, Melike Şahiner,
11:50 – 12:30		Şirin Parkan, Sabah Tüzün
13:30 – 14:10	Basic Computer Hardware Informations_Group A	Numan Bayülken
14:20 – 15:00	Basic Computer Hardware Informations_Group A	Numan Bayülken
15:10 – 15:50	Basic Computer Hardware Informations_Group B	Numan Bayülken
16:00 – 16:40	Basic Computer Hardware Informations_Group B	Numan Bayülken

**25.10.2013 FRIDAY**

08:30 – 09:10		
09:20 – 10:00		
10:10 – 10:50	Opening Ceremony	
11:00 – 11:40	Opening Ceremony	
11:50 – 12:30		
13:30 – 14:10	White Coat Ceremony	
14:20 – 15:00	White Coat Ceremony	
15:10 – 15:50	White Coat Ceremony	
16:00 – 17:30	White Coat Ceremony	

28.10.2013 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	DNA Replication	Deniz Ağırbaşlı
10:10 – 10:50	DNA Repair and Recombination	Deniz Ağırbaşlı
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
<b>REPUBLIC DAY</b>		

29.10.2013 TUESDAY		
<b>REPUBLIC DAY</b>		

30.10.2013 WEDNESDAY		
08:30 – 09:10	Biology and Genetics of Behavior	Burcu Göksan Yavuz
09:20 – 10:00	Biology and Genetics of Behavior	Burcu Göksan Yavuz
10:10 – 10:50	Biology and Genetics of Behavior	Burcu Göksan Yavuz
11:00 – 11:40	Vectors, forces, Newton's Laws	Evren Kılınc
11:50 – 12:30	Vectors, forces, Newton's Laws	Evren Kılınc
13:30 – 14:10	Turkish Language and Literature	Hülya Dünder Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya Dünder Şahin
15:10 – 15:50	Data&Communication Technology:Using & Managing Computers _Group A	Beyza Akbaşoğlu
16:00 – 17:30	Data&Communication Technology:Using & Managing Computers _Group A	Beyza Akbaşoğlu

31.10.2013 THURSDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	CMPS-I: Basic Communication Skills <i>Verbal Communication</i>	Pınar Topsever, Efe Onganer Demet Dinç, Melike Şahiner, Şirin Parkan, Sabah Tüzün
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10	Data&Communication Technology: Using & Managing Computers _Group B	Beyza Akbaşoğlu
14:20 – 15:00	Data&Communication Technology: Using & Managing Computers _Group B	Beyza Akbaşoğlu
15:10 – 15:50	Data&Communication Technology: Using & Managing Computers _Group B	Beyza Akbaşoğlu
16:00 – 16:40	Study Time	

01.11.2013 FRIDAY		
08:30 – 09:10	Inorganic Nomenclature: Naming of Inorganic Compounds	Mert Ülgen
09:20 – 10:00	Inorganic Nomenclature: Naming of Inorganic Compounds	Mert Ülgen
10:10 – 10:50	DNA Packaging and Cell Division Kinetics	Yavuz Oktay
11:00 – 11:40	Nucleus and Cell Division	Deniz Yücel
11:50 – 12:30	Nucleus and Cell Division	Deniz Yücel
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	LAB: Microscope Skills and Cell Types _Group A	Serap Arbak
16:00 – 16:40	LAB: Microscope Skills and Cell Types _Group A	Serap Arbak

04.11.2013 MONDAY		
08:30 – 09:10	Cell Cycle and Apoptosis	M. Cengiz Yakıcıer
09:20 – 10:00	Cell Cycle and Apoptosis	M. Cengiz Yakıcıer
10:10 – 10:50	Principles of Clinical Cytogenetics	Deniz Ağırbaşı
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Medical English I	
16:00 – 17:30	LAB: Microscope Skills and Cell Types _Group B	Serap Arbak
05.11.2013 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Patterns of Inheritance	Deniz Ağırbaşı
10:10 – 10:50	Patterns of Inheritance	Deniz Ağırbaşı
11:00 – 11:40	LAB: Nucleus and Cell Division _ Group A	Deniz Yücel
11:50 – 12:30	LAB: Nucleus and Cell Division _ Group B	Deniz Yücel
13:30 – 15:00	Office: Word _Group A	Beyza Akbaşoğlu
15:10 – 16:40	Office: Word _Group B	Beyza Akbaşoğlu
16:00 – 16:40	Elective Course I	
16:50 – 17:30	Elective Course I	
06.11.2013 WEDNESDAY		
08:30 – 09:10	Work, Energy and Power	Evren Kılınc
09:20 – 10:00	Work, Energy and Power	Evren Kılınc
10:10 – 10:50	Atoms, Molecules and Matter	Beki Kan
11:00 – 11:40	Metals and Non-Metals in Living Organisms	Mert Ülgen
11:50 – 12:30	Acids, Bases and Salts, Ionization, pH	Mert Ülgen
13:30 – 14:10	Turkish Language and Literature	Hülya Dünder Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya Dünder Şahin
15:10 – 16:40	Office: Word _Group A	Beyza Akbaşoğlu
16:50 – 18:20	Office: Word _Group B	Beyza Akbaşoğlu
07.11.2013 THURSDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	CMPS-I: Basic Communication Skills <i>Non-verbal Communication</i>	Pınar Topsever, Efe Onganer Melike Şahiner, Şirin Parkan, Sabah Tüzün
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10	Office: Excel _Group A	Beyza Akbaşoğlu
14:20 – 15:00	Office: Excel _Group A	Beyza Akbaşoğlu
15:10 – 15:50	Office: Excel _Group B	Beyza Akbaşoğlu
16:00 – 16:40	Office: Excel _Group B	Beyza Akbaşoğlu
08.11.2013 FRIDAY		
08:30 – 09:10	Mixtures and Physical Systems in Chemistry	Mert Ülgen
09:20 – 10:00	Concentration Units and Important Analytical Calculations in Medicine	Mert Ülgen
10:10 – 10:50	Mendelian and Non-Mendelian Genetics	Cemaliye Akyerli Boylu
11:00 – 11:40	Mendelian and Non-Mendelian Genetics	Cemaliye Akyerli Boylu
11:50 – 12:30	Multifactorial Inheritance	Deniz Ağırbaşı
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

11.11.2013 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Flow of Genetic Information – Transcription	Yavuz Oktay
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Medical English I	
16:00 – 16:40	Study Time	

12.11.2013 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Introduction to Organic Chemistry	Mert Ülgen
10:10 – 10:50	Classification, General Terms, Bonds, Properties of Organic Compounds	Mert Ülgen
11:00 – 11:40	Flow of Genetic Information – Translation	Yavuz Oktay
11:50 – 12:30	Control of Gene Expression and Epigenetics	Yavuz Oktay
13:30 – 14:10	Office: Excel _Group A	Beyza Akbaşoğlu
14:20 – 15:00	Office: Excel _Group A	Beyza Akbaşoğlu
15:10 – 15:50	Office: Excel _Group A	Beyza Akbaşoğlu
16:00 – 17:30	Elective Course I	

13.11.2013 WEDNESDAY		
08:30 – 09:10		
09:20 – 10:00		
10:10 – 10:50	<b>MED 101 MID-COMMITTEE EXAMINATION</b>	
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10	Turkish Language and Literature	Hülya Dündar Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya Dündar Şahin
15:10 – 15:50	Study Time	
16:00 – 17:30	Study Time	

14.11.2013 THURSDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	CMPS –I: Basic Communication Skills <i>Empathy</i>	Kültegin Ögel
11:00 – 11:40		Pınar Topsever
11:50 – 12:30		Demet Dinç , Sabah Tüzün
13:30 – 14:10	Office: Excel _Group B	Beyza Akbaşoğlu
14:20 – 15:00	Office: Excel _Group B	Beyza Akbaşoğlu
15:10 – 15:50	Office: Excel _Group B	Beyza Akbaşoğlu
16:00 – 17:30	Study Time	

15.11.2013 FRIDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Usage of Hydrocarbons in Medicine	Mert Ülgen
10:10 – 10:50	Usage of Hydrocarbons in Medicine	Mert Ülgen
11:00 – 11:40	Mutations and Polymorphisms	Cemaliye Akyerli Boylu
11:50 – 12:30	Mutations and Polymorphisms	Cemaliye Akyerli Boylu
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Study Time	
16:00 – 17:30	Study Time	

18.11.2013 MONDAY		
08:30 – 09:10	Role of Carbon Containing Functional Groups in Medicine	Mert Ülgen
09:20 – 10:00	Role of Carbon Containing Functional Groups in Medicine	Mert Ülgen
10:10 – 10:50	Water as a Living Environment	Devrim Öz Arslan
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Medical English I	
16:00 – 16:40	Study Time	

19.11.2013 TUESDAY		
08:30 – 09:10	Introduction to Biochemistry	Aysel Özpınar-Abdurrahman Coşkun
09:20 – 10:00	Introduction to Biochemistry	Aysel Özpınar-Abdurrahman Coşkun
10:10 – 10:50	Tools of Molecular Biology& Genetics	Cemaliye Akyerli Boylu
11:00 – 11:40	Tools of Molecular Biology& Genetics	Cemaliye Akyerli Boylu
11:50 – 12:30	LAB: Basic Lab. Skills – Pipetting	Cemaliye Akyerli Boylu
13:30 – 14:10	Office: Access _Group A	Beyza Akbaşoğlu
14:20 – 15:00	Office: Access _Group A	Beyza Akbaşoğlu
15:10 – 15:50	Office: Access _Group A	Beyza Akbaşoğlu
16:00 – 17:30	Elective Course I	

20.11.2013 WEDNESDAY		
08:30 – 09:10	Role of Nitrogen Containing Functional Groups in Medicine	Mert Ülgen
09:20 – 10:00	Role of Nitrogen Containing Functional Groups in Medicine	Mert Ülgen
10:10 – 10:50	LAB: DNA Isolation	Cemaliye Akyerli Boylu
11:00 – 11:40	LAB: DNA Isolation	Cemaliye Akyerli Boylu
11:50 – 12:30	LAB: DNA Isolation	Cemaliye Akyerli Boylu
13:30 – 14:10	Turkish Language and Literature	Hülya Dünder Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya Dünder Şahin
15:10 – 15:50	Office: Access _Group B	Beyza Akbaşoğlu
16:00 – 17:30	Office: Access _Group B	Beyza Akbaşoğlu

21.11.2013 THURSDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00		
10:10 – 10:50	CMPS –I: Basic Communication Skills	Pınar Topsever, Efe Onganer
11:00 – 11:40	<i>The Doctor-Patient Relationship I</i>	Demet Dinç, Melike Şahiner,
11:50 – 12:30		Şirin Parkan, Sabah Tüzün
13:30 – 14:10	Office: PowerPoint _Group A	Beyza Akbaşoğlu
14:20 – 15:00	Office: PowerPoint _Group A	Beyza Akbaşoğlu
15:10 – 15:50	Office: PowerPoint _Group A	Beyza Akbaşoğlu
16:00 – 16:40	Study Time	

22.11.2013 FRIDAY		
08:30 – 09:10	Radioactivity, Atomic Structure, Atomic Number	Mert Ülgen
09:20 – 10:00	The Importance of Radioactivity in Medicine, Isotopes	Mert Ülgen
10:10 – 10:50	LAB: Agarose Gel Electrophoresis	Cemaliye Akyerli Boylu
11:00 – 11:40	LAB: Agarose Gel Electrophoresis	Cemaliye Akyerli Boylu
11:50 – 12:30	LAB: Agarose Gel Electrophoresis	Cemaliye Akyerli Boylu
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

25.11.2013 MONDAY		
08:30 – 09:10	Role of Sulphur Containing Functional Groups in Medicine	Mert Ülgen
09:20 – 10:00	Role of Sulphur Containing Functional Groups in Medicine	Mert Ülgen
10:10 – 10:50	Study Time	
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Medical English I	
16:00 – 16:40	Study Time	

26.11.2013 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Molecular Basis of Genetic Diseases	Deniz Ağırbaşı
10:10 – 10:50	Molecular Basis of Genetic Diseases	Deniz Ağırbaşı
11:00 – 11:40	Chemical Reactions of Important Organic Molecules in Medicine	Mert Ülgen
11:50 – 12:30	Chemical Reactions of Important Organic Molecules in Medicine	Mert Ülgen
13:30 – 14:10	Office: PowerPoint _Group B	Beyza Akbaşoğlu
14:20 – 15:00	Office: PowerPoint _Group B	Beyza Akbaşoğlu
15:10 – 15:50	Office: PowerPoint _Group B	Beyza Akbaşoğlu
16:00 – 17:30	Elective Course I	

27.11.2013 WEDNESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Pharmacogenetics	Cemaliye Akyerli Boylu
10:10 – 10:50	Gene Therapy	Yavuz Oktay
11:00 – 11:40	Introduction to the Metabolism of Organic Compounds	Mert Ülgen
11:50 – 12:30	Introduction to the Metabolism of Organic Compounds	Mert Ülgen
13:30 – 14:10	Turkish Language and Literature	Hülya Dündar Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya Dündar Şahin
15:10 – 16:40	Office: Web Browsing and Communication _Group A	Beyza Akbaşoğlu
16:50 – 18:20	Office: Web Browsing and Communication _Group B	Beyza Akbaşoğlu

28.11.2013 THURSDAY		
08:30 – 09:10		Pınar Topsever
09:20 – 10:00	CMPS –I: Basic Communication Skills	Demet Dinç
10:10 – 10:50		Melike Şahiner
11:00 – 11:40	<i>The Doctor-Patient Relationship II</i>	Şirin Parkan
11:50 – 12:30		Efe Onganer, Sabah Tüzün
13:30 – 14:10	Office: Programs' Exercise_Group A	Beyza Akbaşoğlu
14:20 – 15:00	Office: Programs' Exercise_Group A	Beyza Akbaşoğlu
15:10 – 15:50	Office: Programs' Exercise_Group B	Beyza Akbaşoğlu
16:00 – 16:40	Office: Programs' Exercise_Group B	Beyza Akbaşoğlu

29.11.2013 FRIDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Cancer Genetics	Cemaliye Akyerli Boylu
10:10 – 10:50	Cancer Genetics	Cemaliye Akyerli Boylu
11:00 – 11:40	Effects of Organic Molecules in the Living Organism	Mert Ülgen
11:50 – 12:30	Effects of Organic Molecules in the Living Organism	Mert Ülgen
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**02.12.2013 MONDAY**

<b>08:30 – 09:10</b>	Study Time		
<b>09:20 – 10:00</b>	Study Time		
<b>10:10 – 10:50</b>	Study Time		
<b>11:00 – 11:40</b>	Study Time		
<b>11:50 – 12:30</b>	Study Time		
<b>13:30 – 14:10</b>	Study Time		
<b>14:20 – 15:00</b>	Study Time		
<b>15:10 – 15:50</b>	Study Time		
<b>16:00 – 16:40</b>	Study Time		

**03.12.2013 TUESDAY**

<b>08:30 – 09:10</b>	Study Time		
<b>09:20 – 10:00</b>	Study Time		
<b>10:10 – 10:50</b>	Study Time		
<b>11:00 – 11:40</b>	Study Time		
<b>11:50 – 12:30</b>	Study Time		
<b>13:30 – 14:10</b>	Study Time		
<b>14:20 – 15:00</b>	Study Time		
<b>15:10 – 15:50</b>	Study Time		
<b>16:00 – 17:30</b>	Study Time		

**04.12.2013 WEDNESDAY**

<b>08:30 – 09:10</b>	Study Time		
<b>09:20 – 10:00</b>	Study Time		
<b>10:10 – 10:50</b>	Study Time		
<b>11:00 – 11:40</b>	Study Time		
<b>11:50 – 12:30</b>	Study Time		
<b>13:30 – 14:10</b>	Study Time		
<b>14:20 – 15:00</b>	Study Time		
<b>15:10 – 15:50</b>	Study Time		
<b>16:00 – 16:40</b>	Study Time		

**05.12.2013 THURSDAY**

<b>08:30 – 09:10</b>	Study Time		
<b>09:20 – 10:00</b>	Study Time		
<b>10:10 – 10:50</b>	Study Time		
<b>11:00 – 11:40</b>	Study Time		
<b>11:50 – 12:30</b>	Study Time		
<b>13:30 – 14:10</b>	Study Time		
<b>14:20 – 15:00</b>	Study Time		
<b>15:10 – 15:50</b>	Study Time		
<b>16:00 – 16:40</b>	Study Time		

**06.12.2013 FRIDAY**

**MED 101 SUBJECT COMMITTEE PRACTICAL AND THEORETICAL EXAMINATION**

09.12.2013 MONDAY		
08:30 – 09:10	Introduction to MED 103 Subject Committee	Deniz Ağırbaşlı - Evren Kılınc
09:20 – 10:00	Homeostasis	Mehmet Ergen
10:10 – 10:50	Homeostasis	Mehmet Ergen
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Medical English I	
16:00 – 16:40	Study Time	

10.12.2013 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Endogenous Organic Compounds in the Body	Mert Ülgen
10:10 – 10:50	Endogenous Organic Compounds in the Body	Mert Ülgen
11:00 – 11:40	Structure of Amino Acids	Özge Can
11:50 – 12:30	Structure of Amino Acids	Özge Can
13:30 – 14:10	Term Project Presentations _Group A	Beyza Akbaşoğlu
14:20 – 15:00	Term Project Presentations _Group A	Beyza Akbaşoğlu
15:10 – 15:50	Term Project Presentations _Group A	Beyza Akbaşoğlu
16:00 – 17:30	Elective Course I	

11.12.2013 WEDNESDAY		
08:30 – 09:10	Protein Structure and Function	Özge Can
09:20 – 10:00	Protein Structure and Function	Özge Can
10:10 – 10:50	CMPS-I: Medical Ethics and Humanities	Nadi Bakırcı
11:00 – 11:40		Pınar Topsever, Şirin Parkan
11:50 – 12:30	<i>Being a doctor</i>	Yeşim Işıl Ülman, Fatih Artvinli
13:30 – 14:10	Turkish Language and Literature	Hülya Dündar Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya Dündar Şahin
15:10 – 15:50	Term Project Presentations _Group B	Beyza Akbaşoğlu
16:00 – 17:30	Term Project Presentations _Group B	Beyza Akbaşoğlu

12.12.2013 THURSDAY		
08:30 – 09:10	CMPS-I: Medical Ethics and Humanities	Yeşim Işıl Ülman
09:20 – 10:00	<i>Introduction to the History of Medicine; Medicine at Bedside</i>	
10:10 – 10:50	Endogenous Organic Compounds in the Body	Mert Ülgen
11:00 – 11:40	Endogenous Organic Compounds in the Body	Mert Ülgen
11:50 – 12:30	Study Time	
13:30 – 14:10	Term Project Presentations _Group A	Beyza Akbaşoğlu
14:20 – 15:00	Term Project Presentations _Group A	Beyza Akbaşoğlu
15:10 – 15:50	Term Project Presentations _Group B	Beyza Akbaşoğlu
16:00 – 16:40	Term Project Presentations _Group B	Beyza Akbaşoğlu

13.12.2013 FRIDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Protein Structure and Function	Özge Can
10:10 – 10:50	Protein Structure and Function	Özge Can
11:00 – 11:40	Charges, Coulomb's Law, Insulators and Conductors	Evren Kılınc
11:50 – 12:30	Charges, Coulomb's Law, Insulators and Conductors	Evren Kılınc
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Structure of Lipids	Özge Can
16:00 – 16:40	Structure of Lipids	Özge Can

**16.12.2013 MONDAY**

08:30 – 09:10	Capacitors, Resistance, Direct Current	Evren Kılınc
09:20 – 10:00	Capacitors, Resistance, Direct Current	Evren Kılınc
10:10 – 10:50	Genome of Mitochondria	Yavuz Oktay
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Medical English I	
16:00 – 16:40	Study Time	

**17.12.2013 TUESDAY**

08:30 – 09:10	Genomics in Medicine	Cengiz Yakıcıer
09:20 – 10:00	Physical Characteristics of Membrane Structure and Function	Devrim Öz Arslan
10:10 – 10:50	Membrane Proteins	Devrim Öz Arslan
11:00 – 11:40	Laboratory Techniques in Organic Chemistry: Separation	Mert Ülgen
11:50 – 12:30	Laboratory Techniques in Organic Chemistry: Separation	Mert Ülgen
13:30 – 14:10	Software Technologies _Group A	Beyza Akbaşoğlu
14:20 – 15:00	Software Technologies _Group B	Beyza Akbaşoğlu
15:10 – 15:50	Study Time	
16:00 – 17:30	Elective Course I	

**18.12.2013 WEDNESDAY**

08:30 – 09:10	Electrical Forces, Fields and Currents	Evren Kılınc
09:20 – 10:00	Electrical Forces, Fields and Currents	Evren Kılınc
10:10 – 10:50	CMPS-I: Medical Ethics and Humanities	Nadi Bakırcı, Pınar Topsever, Şirin
11:00 – 11:40	<i>the role of physicians in the community</i>	Parkan, Yeşim Işıl Ülman, Fatih
11:50 – 12:30		Artvinli
13:30 – 14:10	Turkish Language and Literature	Hülya Dünder Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya Dünder Şahin
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**19.12.2013 THURSDAY**

08:30 – 09:10	CMPS-I: Medical Ethics and Humanities	Yeşim Işıl Ülman
09:20 – 10:00	<i>Medicine in the Library: Medieval and Renaissance Medicine</i>	
10:10 – 10:50	Laboratory Techniques in Organic Chemistry: Qualitative Methods	Mert Ülgen
11:00 – 11:40	Laboratory Techniques in Organic Chemistry: Qualitative Methods	Mert Ülgen
11:50 – 12:30	Electrochemical Potential, Nernst Potential	Evren Kılınc
13:30 – 14:10	Network Technologies _Group A	Kağan Özerhan
14:20 – 15:00	Network Technologies _Group A	Kağan Özerhan
15:10 – 15:50	Network Technologies _Group A	Kağan Özerhan
16:00 – 16:40	Study Time	

**20.12.2013 FRIDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Cell Membrane Physiology	Mehmet Ergen
10:10 – 10:50	Cell Membrane Physiology	Mehmet Ergen
11:00 – 11:40	Laboratory Techniques in Organic Chemistry: Quantitative Methods	Mert Ülgen
11:50 – 12:30	Laboratory Techniques in Organic Chemistry: Quantitative Methods	Mert Ülgen
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

23.12.2013 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Applications of Recombinant DNA Technology in Medicine	Yavuz Oktay
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Medical English I	
16:00 – 16:40	Study Time	

24.12.2013 TUESDAY		
08:30 – 09:10	Physical Principles: Diffusion and Facilitated Transport	Devrim Öz Arslan
09:20 – 10:00	Physical Principles: Diffusion and Facilitated Transport	Devrim Öz Arslan
10:10 – 10:50	LAB: Basic Lab. Skills _Group A	Mert Ülgen
11:00 – 11:40	LAB: Organic Reactions _Group A	Mert Ülgen
11:50 – 12:30	LAB: Organic Reactions _Group A	Mert Ülgen
13:30 – 14:10	Network Technologies _Group B	Kağan Özerhan
14:20 – 15:00	Network Technologies _Group B	Kağan Özerhan
15:10 – 15:50	Network Technologies _Group B	Kağan Özerhan
16:00 – 17:30	Elective Course I	

25.12.2013 WEDNESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Active Transport and Secondary Active Transport	Devrim Öz Arslan
10:10 – 10:50	CMPS-I: Medical Ethics and Humanities	İbrahim Kaboğlu, Yeşim Ülman, Fatih Artvinli
11:00 – 11:40	<i>Introduction to Human Rights; What are the Human Rights?</i>	
11:50 – 12:30		
13:30 – 14:10	Turkish Language and Literature	Hülya Dünder Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya Dünder Şahin
15:10 – 16:40	Unified Communications _Group A	Kağan Özerhan
16:50 – 17:30	Unified Communications _Group B	Kağan Özerhan

26.12.2013 THURSDAY		
08:30 – 09:10	CMPS-I: Medical Ethics and Humanities	Yeşim Işıl Ülman
09:20 – 10:00	<i>Medicine in Hospital: The influence of the Enlightenment and the Revolutionary Era</i>	
10:10 – 10:50	LAB: Basic Lab. Skills _Group B	Mert Ülgen
11:00 – 11:40	LAB: Organic Reactions _Group B	Mert Ülgen
11:50 – 12:30	LAB: Organic Reactions _Group B	Mert Ülgen
13:30 – 14:10	Internet_Group A	Kağan Özerhan
14:20 – 15:00	Internet_Group A	Kağan Özerhan
15:10 – 15:50	Internet_Group B	Kağan Özerhan
16:00 – 16:40	Internet_Group B	Kağan Özerhan

27.12.2013 FRIDAY		
08:30 – 09:10	Introduction to Interactive Module (Problem Based Learning Method)	
09:20 – 10:00	Introduction to Interactive Module (Problem Based Learning Method)	
10:10 – 10:50	Introduction to Interactive Module (Problem Based Learning Method)	
11:00 – 11:40	Introduction to Interactive Module (Problem Based Learning Method)	
11:50 – 12:30	Introduction to Interactive Module (Problem Based Learning Method)	
13:30 – 14:10	Introduction to Interactive Module (Problem Based Learning Method)	
14:20 – 15:00	Introduction to Interactive Module (Problem Based Learning Method)	
15:10 – 15:50	Introduction to Interactive Module (Problem Based Learning Method)	
16:00 – 16:40	Introduction to Interactive Module (Problem Based Learning Method)	

**30.12.2013 MONDAY**

08:30 – 09:10	Cellular Signaling	Mehmet Ergen
09:20 – 10:00	Cellular Signaling	Mehmet Ergen
10:10 – 10:50	Cellular Signaling	Mehmet Ergen
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Medical English I	
16:00 – 16:40	Study Time	

**31.12.2013 TUESDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Membrane Potential and Action Potential	Evren Kılınc
11:50 – 12:30	Membrane Potential and Action Potential	Evren Kılınc
13:30 – 14:10	Security_Group A	Kağan Özerhan
14:20 – 15:00	Security_Group A	Kağan Özerhan
15:10 – 15:50	Contact Centers_Group A	Kağan Özerhan
16:00 – 17:30	Elective Course I	

**01.01.2014 WEDNESDAY****HOLIDAY****02.01.2014 THURSDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	CMPS-I: Medical Ethics and Humanities	Yeşim Ülman, Fatih Artvinli
11:00 – 11:40	<i>Evolution of Human Rights</i>	
11:50 – 12:30		
13:30 – 14:10	Security_Group B	Kağan Özerhan
14:20 – 15:00	Security_Group B	Kağan Özerhan
15:10 – 15:50	Contact Centers_Group B	Kağan Özerhan
16:00 – 16:40	Study Time	

**03.01.2014 FRIDAY**

08:30 – 09:10		
09:20 – 10:00		
10:10 – 10:50	<b>MED 103 MID-COMMITTEE EXAMINATION</b>	
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

06.01.2014 MONDAY		
08:30 – 09:10	Excitable Tissues and Action Potential	Mehmet Ergen
09:20 – 10:00	Excitable Tissues and Action Potential	Mehmet Ergen
10:10 – 10:50	Conduction of Action Potential	Evren Kılınç
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Medical English I	
16:00 – 16:40	Study Time	
07.01.2014 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	LAB: Purification Techniques _Group A	Mert Ülgen
10:10 – 10:50	LAB: Purification Techniques _Group A	Mert Ülgen
11:00 – 11:40	Flow of Energy in Nature, First Law of Thermodynamics	Beki Kan
11:50 – 12:30	Flow of Energy in Nature, First Law of Thermodynamics	Beki Kan
13:30 – 14:10		
14:20 – 15:00	<b>MED 107 SUBJECT COMMITTEE (IT) EXAMINATION</b>	
15:10 – 15:50		
16:00 – 17:30	Elective Course I	
08.01.2014 WEDNESDAY		
08:30 – 09:10	Introduction and Structure of Enzymes	İbrahim Ünsal
09:20 – 10:00	Introduction and Structure of Enzymes	İbrahim Ünsal
10:10 – 10:50	CMPS-I: Medical Ethics and Humanities	Nadi Bakırçı, Yeşim Işıl Ülman, Pınar Topsever, Figen Demir, Fatih Artvinli
11:00 – 11:40		
11:50 – 12:30	<i>Right to Health-I</i>	
13:30 – 14:10	Turkish Language and Literature	Hülya Dünder Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya Dünder Şahin
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	
09.01.2014 THURSDAY		
08:30 – 09:10	CMPS-I: Medical Ethics and Humanities	Yeşim Işıl Ülman
09:20 – 10:00	<i>Medicine in the Community: Emergence of Public Health</i>	
10:10 – 10:50	LAB: Purification Techniques _Group B	Mert Ülgen
11:00 – 11:40	LAB: Purification Techniques _Group B	Mert Ülgen
11:50 – 12:30	<b>CMPS-I: MID-COMMITTEE EXAMINATION</b>	
13:30 – 14:10	Introduction to Bioinformatics	Sinan Fındık
14:20 – 15:00	Medicine and Information	Sinan Fındık
15:10 – 15:50	Medicine and Information	Sinan Fındık
16:00 – 16:40	Study Time	
10.01.2014 FRIDAY		
08:30 – 09:10	Enzymes: Mechanisms of Action	İbrahim Ünsal
09:20 – 10:00	Enzymes: Mechanisms of Action	İbrahim Ünsal
10:10 – 10:50	Human Genome Project in Medicine	Cemaliye Akyerli Boylu
11:00 – 11:40	LAB: Action Potential _Group A	Mehmet Ergen
11:50 – 12:30	LAB: Action Potential _Group A	Mehmet Ergen
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	LAB: Action Potential _Group B	Mehmet Ergen
16:00 – 16:40	LAB: Action Potential _Group B	Mehmet Ergen

**13.01.2014 MONDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	The Second Law of Thermodynamics, Entropy, Free Energy	Beki Kan
10:10 – 10:50	The Second Law of Thermodynamics, Entropy, Free Energy	Beki Kan
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Medical English I	
16:00 – 16:40	Study Time	

**14.01.2014 TUESDAY**

08:30 – 09:10	Enzyme Regulation	İbrahim Ünsal
09:20 – 10:00	Enzyme Regulation	İbrahim Ünsal
10:10 – 10:50	LAB: Separation Techniques _Group A	Mert Ülgen
11:00 – 11:40	LAB: Separation Techniques _Group A	Mert Ülgen
11:50 – 12:30	Free Energy and Thermodynamic Properties of Water	Beki Kan
13:30 – 14:10	Computers in Biology and Medicine	Sinan Fındık
14:20 – 15:00	Computers in Biology and Medicine	Sinan Fındık
15:10 – 15:50	Study Time	
16:00 – 17:30	Elective Course I	

**15.01.2014 WEDNESDAY**

08:30 – 09:10	History of Radiology	Alp Dinçer
09:20 – 10:00	History of Radiology	Alp Dinçer
10:10 – 10:50	CMPS-I: Medical Ethics and Humanities	Nadi Bakırcı, Figen Demir
11:00 – 11:40	<i>Right to Health II</i>	Yeşim Işıl Ülman, Fatih Artvinli,
11:50 – 12:30		
13:30 – 14:10	Turkish Language and Literature	Hülya DüNDAR Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya DüNDAR Şahin
15:10 – 15:50	LAB: Separation Techniques _Group B	Mert Ülgen
16:00 – 16:40	LAB: Separation Techniques _Group B	Mert Ülgen

**16.01.2014 THURSDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	CMPS-I: Medical Ethics and Humanities	
10:10 – 10:50	<i>Medicine in the Laboratory: Medicine Becomes Science</i>	Yeşim Işıl Ülman
11:00 – 11:40	<i>Medicine in the Modern World: Legacy of the Centuries; History of Medicine in Turkey</i>	
11:50 – 12:30		
13:30 – 14:10	Genetics in Medicine-From Bench to Bedside	Sinan Fındık
14:20 – 15:00	Genetics in Medicine-From Bench to Bedside	Sinan Fındık
15:10 – 15:50	Genetics in Medicine-From Bench to Bedside	Sinan Fındık
16:00 – 16:40	Study Time	

**17.01.2014 FRIDAY**

08:30 – 09:10		
09:20 – 10:00	CMPS-I: Medical Ethics and Humanities	Yeşim Işıl Ülman
10:10 – 10:50		Fatih Artvinli
11:00 – 11:40	<i>History of Medicine in İstanbul (Field Study)</i>	
11:50 – 12:30		
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

20.01. 2014 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Coupling of Biological Reactions with High Energy Metabolites	Beki Kan
10:10 – 10:50	Coupling of Biological Reactions with High Energy Metabolites	Beki Kan
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Medical English I	
16:00 – 16:40	Study Time	

21.01. 2014 TUESDAY		
08:30 – 09:10	Introduction to Anatomy and Anatomical Terminology	Alp Bayramoğlu
09:20 – 10:00	Introduction to Human Anatomy	Elif N. Keskinöz
10:10 – 10:50	Introduction to Human Anatomy	Elif N. Keskinöz
11:00 – 11:40	LAB: Introduction to Human Anatomy_Group A	Elif N. Keskinöz
11:50 – 12:30	LAB: Introduction to Human Anatomy_Group B	Elif N. Keskinöz
13:30 – 14:10	Historical Perspective of Bioinformatics	Sinan Fındık
14:20 – 15:00	A Rapidly Maturing Science	Sinan Fındık
15:10 – 15:50	A Rapidly Maturing Science	Sinan Fındık
16:00 – 17:30	Elective Course I	

22.01. 2014 WEDNESDAY		
08:30 – 09:10	<b>CMPS-I: Clinical Skills</b>	M. Emin Aksoy Dilek Kitapçıoğlu Ferah Güven
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10	<b>First Aid Course</b>	
14:20 – 15:00		
15:10 – 15:50		
16:00 – 16:40		

23.01. 2014 THURSDAY		
08:30 – 09:10	<b>CMPS-I: Clinical Skills</b>	M. Emin Aksoy Dilek Kitapçıoğlu Ferah Güven
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10	<b>First Aid Course</b>	
14:20 – 15:00		
15:10 – 15:50		
16:00 – 17:30		

24.01. 2014 FRIDAY		
08:30 – 09:10	<b>CMPS-I: Medical Ethics and Humanities</b>	Yeşim Işıl Ülman Fatih Artvinli
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30	<i>History of Medicine (Museum Visit)</i>	
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**27.01. 2014 MONDAY**

08:30 – 09:10		
09:20 – 10:00	<b>MED 105 CMPS-I Subject Committee EXAMINATION</b>	
10:10 – 10:50		
11:00 – 11:40	<b>Atatürk's Principles and History of Revolution EXAMINATION</b>	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	<b>Atatürk's Principles and History of Revolution EXAMINATION</b>	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English I	
14:20 – 15:00	Medical English I	
15:10 – 15:50	Medical English I	
16:00 – 16:40	Study Time	

**28.01. 2014 TUESDAY**

08:30 – 09:10	Introduction to Radiology I: Definition, Types of Imaging, Impact	Canan Erzen
09:20 – 10:00	Introduction to Radiology I: Definition, Types of Imaging, Impact	Canan Erzen
10:10 – 10:50	Carbohydrate Structure and Function	Özge Can
11:00 – 11:40	Carbohydrate Structure and Function	Özge Can
11:50 – 12:30	Energetics of Electron Transport	Beki Kan
13:30 – 14:10	A Rapidly Maturing Science	Sinan Fındık
14:20 – 15:00	A Rapidly Maturing Science	Sinan Fındık
15:10 – 15:50	Study Time	
16:00 – 16:40	Elective Course I Examination	

**29.01. 2014 WEDNESDAY**

08:30 – 09:10	Introduction to Metabolism	Aysel Özpınar
09:20 – 10:00	Introduction to Metabolism	Aysel Özpınar
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	<b>Turkish Language and Literature EXAMINATION</b>	Hülya DüNDAR Şahin
14:20 – 15:00		
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**30.01. 2014 THURSDAY**

08:30 – 09:10	Introduction to Radiology II: Definition, Types of Imaging, Impact	Canan Erzen
09:20 – 10:00	Introduction to Radiology II: Definition, Types of Imaging, Impact	Canan Erzen
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Critical Readings for Bioinformatics	Sinan Fındık
14:20 – 15:00	Critical Readings for Bioinformatics	Sinan Fındık
15:10 – 15:50	Critical Readings for Bioinformatics	Sinan Fındık
16:00 – 16:40	Study Time	

**31.01. 2014 FRIDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	<b>Medical English- I EXAMINATION</b>	
14:20 – 15:00		
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

03.02. 2014 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

04.02. 2014 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 17:30	Study Time	

05.02. 2014 WEDNESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

06.02. 2014 THURSDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

07.02. 2014 FRIDAY		
<b>MED 103 SUBJECT COMMITTEE PRACTICAL AND THEORETICAL EXAMINATION</b>		



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**YEAR 1  
SPRING  
SEMESTER  
SCHEDULE**

SCHOOL OF MEDICINE

**24.02.2014 MONDAY**

08:30 – 09:10	Introduction to Subject Committee: Form Cell to Tissue/Tissue to Organ	Güldal Süyen- Sinem Öktem Okullu
09:20 – 10:00	Histology of Lining and Glandular Epithelium	Serap Arbak
10:10 – 10:50	Histology of Lining and Glandular Epithelium	Serap Arbak
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Medical English II	
16:00 – 16:40	Study Time	

**25.02.2014 TUESDAY**

08:30 – 09:10	Spermatogenesis	Deniz Yücel
09:20 – 10:00	Oogenesis	Serap Arbak
10:10 – 10:50	Oogenesis	Serap Arbak
11:00 – 11:40	High Energy Compounds and Metabolic Control	Abdurrahman Coşkun
11:50 – 12:30	High Energy Compounds and Metabolic Control	Abdurrahman Coşkun
13:30 – 14:10	Bioinformatics Tools, Databases and Methods	Sinan Fındık
14:20 – 15:00	Bioinformatics Tools, Databases and Methods	Sinan Fındık
15:10 – 15:50	Bioinformatics Tools, Databases and Methods	Sinan Fındık
16:00 – 17:30	Elective Course II	

**26.02.2014 WEDNESDAY**

08:30 – 09:10	Introduction to Microbiology	Tanıl Kocagöz
09:20 – 10:00	General Structures of Bacteria, Mycoplasma, Chlamydia and Rickettsiae	Sesin Kocagöz
10:10 – 10:50	General Structures of Bacteria, Mycoplasma, Chlamydia and Rickettsiae	Sesin Kocagöz
11:00 – 11:40	LAB: Histology of Lining and Glandular Epithelium _Group A	Serap Arbak
11:50 – 12:30	LAB: Histology of Lining and Glandular Epithelium _Group A	Serap Arbak
13:30 – 14:10	Turkish Language and Literature	Hülya Dünder Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya Dünder Şahin
15:10 – 15:50	LAB: Histology of Lining and Glandular Epithelium _Group B	Serap Arbak
16:00 – 16:40	LAB: Histology of Lining and Glandular Epithelium _Group B	Serap Arbak

**27.02.2014 THURSDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Introduction to CMPS-II: Health and Society	Figen Demir,Pınar Topsever
11:00 – 12:30	CMPS-II: Health and Society <i>Social Sciences in Health</i> <i>Perception and Explanation of health and illness/disease</i>	İnci User, Pınar Topsever, Figen Demir, Melike Şahiner, Yeşim Yasin, Nadi Bakırcı
13:30 – 14:10	Bioinformatics Tools, Databases and Methods	Sinan Fındık
14:20 – 15:00	Bioinformatics Tools, Databases and Methods	Sinan Fındık
15:10 – 15:50	Glycolysis and Gluconeogenesis	Aysel Özpınar
16:00 – 16:40	Glycolysis and Gluconeogenesis	Aysel Özpınar

**28.02.2014 FRIDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Glycolysis and Gluconeogenesis	Aysel Özpınar
10:10 – 10:50	Glycolysis and Gluconeogenesis	Aysel Özpınar
11:00 – 11:40	Histology of Connective Tissue	Serap Arbak
11:50 – 12:30	Histology of Connective Tissue	Serap Arbak
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Upper Extremity Bones	Elif N. Keskinöz
16:00 – 16:40	Upper Extremity Bones	Elif N. Keskinöz

03.03.2014 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	LAB: Histology of Connective Tissue_Group A	Serap Arbak
10:10 – 10:50	LAB: Histology of Connective Tissue_Group A	Serap Arbak
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Medical English II	
16:00 – 17:30	LAB: Histology of Connective Tissue_Group B	Serap Arbak

04.03.2014 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	General Structure of Fungi	Onur Karatuna
10:10 – 10:50	General Structure of Fungi	Onur Karatuna
11:00 – 11:40	Glycogenesis and Gluconeogenesis	Özge Can
11:50 – 12:30	Glycogenesis and Gluconeogenesis	Özge Can
13:30 – 14:10	Effective Use of NCBI Tools and Databases	Sinan Fındık
14:20 – 15:00	Effective Use of NCBI Tools and Databases	Sinan Fındık
15:10 – 15:50	Effective Use of NCBI Tools and Databases	Sinan Fındık
16:00 – 17:30	Elective Course II	

05.03.2014 WEDNESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Histology of Cartilage	Feriha Ercan
10:10 – 10:50	Fertilization	Serap Arbak
11:00 – 11:40	Implantation	Serap Arbak
11:50 – 12:30	Study Time	
13:30 – 14:10	Turkish Language and Literature	Hülya Dünder Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya Dünder Şahin
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

06.03.2014 THURSDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	CMPS-II: Health and Society	İnci User
10:10 – 10:50	<i>Health, Disease and Illness</i>	Kültegin Ögel
11:00 – 11:40	CMPS-II: Health and Society	Kültegin Ögel
11:50 – 12:30	<i>Labeling, Stigmatization and Medicalization</i>	İnci User
13:30 – 14:10	Effective Use of NCBI Tools and Databases	Sinan Fındık
14:20 – 15:00	Effective Use of NCBI Tools and Databases	Sinan Fındık
15:10 – 15:50	Histology of Bone and Osteogenesis	Feriha Ercan
16:00 – 16:40	Histology of Bone and Osteogenesis	Feriha Ercan

07.03.2014 FRIDAY		
08:30 – 09:10	Glycogenesis and Gluconeogenesis	Özge Can
09:20 – 10:00	Glycogenesis and Gluconeogenesis	Özge Can
10:10 – 10:50	Study Time	
11:00 – 11:40	Interactive Module	
11:50 – 12:30	Interactive Module	
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Preparation for Interactive Module	
16:00 – 16:40	Preparation for Interactive Module	

**10.03.2014 MONDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	LAB: Histology of Bone and Cartilage _Group A	Deniz Yücel
10:10 – 10:50	LAB: Histology of Bone and Cartilage _Group A	Deniz Yücel
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Medical English II	
16:00 – 17:30	LAB: Histology of Bone and Cartilage_Group B	Deniz Yücel

**11.03.2014 TUESDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Lower Extremity Bones	Alp Bayramoğlu
10:10 – 10:50	Lower Extremity Bones	Alp Bayramoğlu
11:00 – 11:40	Formation of Bilaminar and Trilaminar Embryonic Disc	Feriha Ercan
11:50 – 12:30	Formation of Bilaminar and Trilaminar Embryonic Disc	Feriha Ercan
13:30 – 14:10	Bioinformatics Data Resources and Tools at the EBI	Sinan Fındık
14:20 – 15:00	Bioinformatics Data Resources and Tools at the EBI	Sinan Fındık
15:10 – 15:50	Bioinformatics Data Resources and Tools at the EBI	Sinan Fındık
16:00 – 17:30	Elective Course II	

**12.03.2014 WEDNESDAY**

08:30 – 09:10	TCA Cycle	Aysel Özpınar
09:20 – 10:00	TCA Cycle	Aysel Özpınar
10:10 – 10:50	Induction Mechanisms of Embryology	Serap Arbak
11:00 – 11:40	Oxidative Phosphorylation and Electron Transport Chain	Abdurrahman Coşkun
11:50 – 12:30	Oxidative Phosphorylation and Electron Transport Chain	Abdurrahman Coşkun
13:30 – 14:10	Turkish Language and Literature	Hülya DüNDAR Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya DüNDAR Şahin
15:10 – 15:50	Histology of Muscle Tissue	Serap Arbak
16:00 – 16:40	Histology of Muscle Tissue	Serap Arbak

**13.03.2014 THURSDAY**

08:30 – 09:10	Oxidative Phosphorylation and Electron Transport Chain	Abdurrahman Coşkun
09:20 – 10:00	Oxidative Phosphorylation and Electron Transport Chain	Abdurrahman Coşkun
10:10 – 10:50	CMPS-II: Health and Society	İ. User, F. Demir
11:00 – 11:40	<i>Changing Patterns of Disease: Social History of Disease</i>	P. Topsever
11:50 – 12:30		
13:30 – 14:10	Bioinformatics Data Resources and Tools at the EBI	Sinan Fındık
14:20 – 15:00	Bioinformatics Tools for Genome Analysis	Sinan Fındık
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**14.03.2014 FRIDAY**

March 14 Physician's Day

17.03.2014 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	LAB: Histology of Muscle Tissue _Group A	Serap Arbak
10:10 – 10:50	LAB: Histology of Muscle Tissue _Group A	Serap Arbak
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Medical English II	
16:00 – 17:30	LAB: Histology of Muscle Tissue_Group B	Serap Arbak

18.03.2014 TUESDAY		
08:30 – 09:10	Introduction to Nervous System Physiology	Meltem Kolgazi
09:20 – 10:00	Introduction to Nervous System Physiology	Meltem Kolgazi
10:10 – 10:50	LAB: Upper and Lower extremity bones _Group A	Alp Bayramoğlu-Elif N. Keskinöz
11:00 – 11:40	LAB: Upper and Lower extremity bones _Group A	Alp Bayramoğlu-Elif N. Keskinöz
11:50 – 12:30	LAB: Upper and Lower extremity bones _Group A	Alp Bayramoğlu-Elif N. Keskinöz
13:30 – 14:10	Tools for Genome Analysis	Sinan Fındık
14:20 – 15:00	Tools for Genome Analysis	Sinan Fındık
15:10 – 15:50	Tools for Genome Analysis	Sinan Fındık
16:00 – 17:30	Elective Course II	

19.03.2014 WEDNESDAY		
08:30 – 09:10		
09:20 – 10:00		
10:10 – 10:50	<b>MED 104 MID- COMMITTEE EXAMINATION</b>	
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10	Turkish Language and Literature	Hülya Dündar Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya Dündar Şahin
15:10 – 15:50	LAB: Upper and Lower extremity bones _Group B	Elif N. Keskinöz
16:00 – 17:30	LAB: Upper and Lower extremity bones _Group B	Elif N. Keskinöz

20.03.2014 THURSDAY		
08:30 – 09:10	CMPS-II: Health and Society <i>Disease Causation Theories</i>	İnci User Figen Demir Pınar Topsever Nadi Bakırcı
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10	Statistical Genetics	Sinan Fındık
14:20 – 15:00	Statistical Genetics	Sinan Fındık
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

21.03.2014 FRIDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Histology of Skin and Adnex	Deniz Yücel
10:10 – 10:50	Histology of Skin and Adnex	Deniz Yücel
11:00 – 11:40	Interactive Module	
11:50 – 12:30	Interactive Module	
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Preparation for Interactive Module	
16:00 – 16:40	Preparation for Interactive Module	

**24.03.2014 MONDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Histology of Nervous Tissue	Deniz Yücel
10:10 – 10:50	Histology of Nervous Tissue	Deniz Yücel
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Medical English II	
16:00 – 17:30	Study Time	

**25.03.2014 TUESDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	LAB: Histology of Nervous Tissue and Skin _Group A	Serap Arbak-Deniz Yücel
10:10 – 10:50	LAB: Histology of Nervous Tissue and Skin _Group A	Serap Arbak-Deniz Yücel
11:00 – 11:40	LAB: Histology of Nervous Tissue and Skin _Group B	Serap Arbak-Deniz Yücel
11:50 – 12:30	LAB: Histology of Nervous Tissue and Skin _Group B	Serap Arbak-Deniz Yücel
13:30 – 14:10	Biological Sequence Analysis	Sinan Fındık
14:20 – 15:00	Biological Sequence Analysis	Sinan Fındık
15:10 – 15:50	Biological Sequence Analysis	Sinan Fındık
16:00 – 17:30	Elective Course II	

**26.03.2014 WEDNESDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Amino Acid and Protein Metabolism	Özge Can
11:00 – 11:40	Amino Acid and Protein Metabolism	Özge Can
11:50 – 12:30	Neurotransmitters	Meltem Kolgazi
13:30 – 14:10	Turkish Language and Literature	Hülya Dünder Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya Dünder Şahin
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**27.03.2014 THURSDAY**

08:30 – 09:10	Study	
09:20 – 10:00	CMPS-II: Health and Society	Figen Demir
10:10 – 10:50	<i>Basic Health Outcomes and Burden of Disease</i>	
11:00 – 11:40	CMPS-II: Health and Society	İ. User, F. Demir, P. Topsever, M. Şahiner,
11:50 – 12:30	<i>Social determinants of health &amp; Inequalities in health (interactive module)</i>	Ş. Parkan, C. A. Boylu, D. Ö. Arslan
13:30 – 14:10	Biological Sequence Analysis	Sinan Fındık
14:20 – 15:00	Molecular Phylogenetic Techniques	Sinan Fındık
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**28.03.2014 FRIDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Neuromuscular junction	Meltem Kolgazi
10:10 – 10:50	Neuromuscular junction	Meltem Kolgazi
11:00 – 11:40	Interactive Module	
11:50 – 12:30	Interactive Module	
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Preparation for Interactive Module	
16:00 – 16:40	Preparation for Interactive Module	

31.03.2014 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Amino Acid and Protein Metabolism	Özge Can
10:10 – 10:50	Amino Acid and Protein Metabolism	Özge Can
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Medical English II	
16:00 – 17:30	Study Time	

01.04.2014 TUESDAY		
08:30 – 09:10	General Structure of Viruses	Tanıl Kocagöz
09:20 – 10:00	General Structure of Viruses	Tanıl Kocagöz
10:10 – 10:50	Formation of Neurulation and Organ Systems	Serap Arbak
11:00 – 11:40	Formation of Neurulation and Organ Systems	Serap Arbak
11:50 – 12:30	Development of Skin and Adnex	Deniz Yücel
13:30 – 14:10	Molecular Phylogenetic Technologies	Sinan Fındık
14:20 – 15:00	Molecular Phylogenetic Technologies	Sinan Fındık
15:10 – 15:50	Structure Analysis of Biological Molecules	Sinan Fındık
16:00 – 17:30	Elective Course II	

02.04.2014 WEDNESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Hexose Monophosphate Shunt	Aysel Özpınar
10:10 – 10:50	Hexose Monophosphate Shunt	Aysel Özpınar
11:00 – 11:40	Extraembryonic Structures	Feriha Ercan
11:50 – 12:30	Extraembryonic Structures	Feriha Ercan
13:30 – 14:10	Turkish Language and Literature	Hülya DüNDAR Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya DüNDAR Şahin
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

03.04.2014 THURSDAY		
08:30 – 09:10	CMPS-II: Health and Society	İ. User, F.Demir, P. Topsever, M. Şahiner, Ş.Parkan, C. A. Boylu, D. Ö. Arslan
09:20 – 10:00	<i>Social determinants of health &amp; Inequalities in health (interactive module)</i>	
10:10 – 10:50	CMPS-II: Health and Society <i>Population Groups</i>	İnci User, Yeşim Yasin
11:00 – 11:40	CMPS-II: Health and Society	İnci User, Yeşim Yasin
11:50 – 12:30	<i>Social Stratification and Health</i>	
13:30 – 14:10	CMPS-II: Health and Society	Pınar Topsever
14:20 – 15:00	<i>General Structure of The Health Care System in Turkey</i>	
15:10 – 15:50	Reviewing Literature	Figen Demir-Murat Gündoğdu
16:00 – 16:40	Reviewing Literature	Figen Demir-Murat Gündoğdu

04.04.2014 FRIDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Stem Cells	Deniz Yücel
10:10 – 10:50	Stem Cells	Deniz Yücel
11:00 – 11:40	Interactive Module	
11:50 – 12:30	Interactive Module	
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Preparation for Interactive Module	
16:00 – 16:40	Preparation for Interactive Module	

**07.04.2014 MONDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Metabolism of Nucleic Acid	Özge Can
10:10 – 10:50	Metabolism of Nucleic Acid	Özge Can
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Medical English II	
16:00 – 16:40	Study Time	

**08.04.2014 TUESDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	General Structure of Parasites	Özgür Kurt
10:10 – 10:50	General Structure of Parasites	Özgür Kurt
11:00 – 11:40	Autonomic Nervous System	Meltem Kolgazi
11:50 – 12:30	Autonomic Nervous System	Meltem Kolgazi
13:30 – 14:10	Structure Analysis of Biological Molecules	Sinan Fındık
14:20 – 15:00	Structure Analysis of Biological Molecules	Sinan Fındık
15:10 – 15:50	Structure Analysis of Biological Molecules	Sinan Fındık
16:00 – 17:30	Elective Course II	

**09.04.2014 WEDNESDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Congenital Malformations	Deniz Yücel
10:10 – 10:50	Congenital Malformations	Deniz Yücel
11:00 – 11:40	Biosynthesis of Lipids	Özge Can
11:50 – 12:30	Biosynthesis of Lipids	Özge Can
13:30 – 14:10	Turkish Language and Literature	Hülya DüNDAR Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya DüNDAR Şahin
15:10 – 15:50	Oxidation of Lipids	Özge Can
16:00 – 16:40	Oxidation of Lipids	Özge Can

**10.04.2014 THURSDAY**

08:30 – 09:10		
09:20 – 10:00	CMPS-II: Health and Society	Pınar Topsever, Figen Demir, Sabah Tüzün, Şirin Parkan, Demet Dinç, Efe Onganer, Melike Şahiner
10:10 – 10:50	<i>Primary Health Care in Turkey</i>	
11:00 – 11:40	<i>Site Visit-PHC facilities (Group A)</i>	
11:50 – 12:30		
13:30 – 14:10	Structural Bioinformatics	Sinan Fındık
14:20 – 15:00	Structural Bioinformatics	Sinan Fındık
15:10 – 15:50	Structural Bioinformatics	Sinan Fındık
16:00 – 17:30	Study Time	

**11.04.2014 FRIDAY**

08:30 – 09:10		
09:20 – 10:00	CMPS-II: Health and Society	Pınar Topsever, Figen Demir, Sabah Tüzün, Şirin Parkan, Demet Dinç, Efe Onganer, Melike Şahiner
10:10 – 10:50	<i>Primary Health Care in Turkey</i>	
11:00 – 11:40	<i>Site Visit-PHC facilities (Group B)</i>	
11:50 – 12:30		
13:30 – 14:10	Small Group Discussion: Disorders of Carbohydrate Metabolism	Aysel Özpınar-Özge Can
14:20 – 15:00	Small Group Discussion: Disorders of Carbohydrate Metabolism	Aysel Özpınar-Özge Can
15:10 – 15:50	Small Group Discussion: Disorders of Carbohydrate Metabolism	Aysel Özpınar-Özge Can
16:00 – 16:40	Small Group Discussion: Disorders of Carbohydrate Metabolism	Aysel Özpınar-Özge Can

14.04.2014 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

15.04.2014 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 17:30	Study Time	

16.04.2014 WEDNESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

17.04.2014 THURSDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

18.04.2014 FRIDAY		
	<b>MED 104 SUBJECT COMMITTEE PRACTICAL AND THEORETICAL EXAMINATION</b>	

**21.04.2014 MONDAY**

08:30 – 09:10	Introduction to Subject Committee: Body Functions and Human Behavior	Mustafa Serteser-Fatih Artvinli
09:20 – 10:00	Skull -Neurocranium	Alp Bayramoğlu
10:10 – 10:50	Skull -Neurocranium	Alp Bayramoğlu
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Medical English II	
16:00 – 16:40	Study Time	

**22.04.2014 TUESDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Introduction to Human Psychology and Behavioral Sciences	İlyas Göz
11:00 – 11:40	Skull Splanchnocranium	Elif N. Keskinöz
11:50 – 12:30	Skull Splanchnocranium	Elif N. Keskinöz
13:30 – 14:10	Protein Bioinformatics	Sinan Fındık
14:20 – 15:00	Protein Bioinformatics	Sinan Fındık
15:10 – 15:50	Protein Bioinformatics	Sinan Fındık
16:00 – 17:30	Elective Course II	

**23.04.2014 WEDNESDAY**

<b>National Sovereignty and Children's Day</b>		
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**24.04.2014 THURSDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	CMPS II: Research in Health <i>Introduction to Research in Health and Scientific Methodology</i>	Figen Demir
11:00 – 11:40	CMPS II: Research in Health	Pınar Topsever
11:50 – 12:30	<i>An example of scientific thinking: study of Ignaz Semmelweis</i>	
13:30 – 14:10	Gene Expression and Pathways	Sinan Fındık
14:20 – 15:00	Gene Expression and Pathways	Sinan Fındık
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**25.04.2014 FRIDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	LAB: Skull_Group A	Alp Bayramoğlu-Elif N. Keskinöz
11:00 – 11:40	LAB: Skull_Group A	Alp Bayramoğlu-Elif N. Keskinöz
11:50 – 12:30	LAB: Skull_Group A	Alp Bayramoğlu-Elif N. Keskinöz
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	LAB: Skull_Group B	Alp Bayramoğlu-Elif N. Keskinöz
16:00 – 17:30	LAB: Skull_Group B	Alp Bayramoğlu-Elif N. Keskinöz

28.04.2014 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Base of Skull	Alp Bayramođlu
10:10 – 10:50	Base of Skull	Alp Bayramođlu
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadađ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadađ
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Medical English II	
16:00 – 17:30	Study Time	

29.04.2014 TUESDAY		
08:30 – 09:10	Biochemistry of Epithelial Tissue	Abdurrahman Coşkun
09:20 – 10:00	History of Behavioral Sciences	Fatih Artvinli
10:10 – 10:50	History of Behavioral Sciences	Fatih Artvinli
11:00 – 11:40	Nature of Waves	Evren Kılınç
11:50 – 12:30	Nature of Waves	Evren Kılınç
13:30 – 14:10	Gene Expression and Pathways	Sinan Fındık
14:20 – 15:00	Gene Expression and Pathways	Sinan Fındık
15:10 – 15:50	Gene Expression and Pathways	Sinan Fındık
16:00 – 17:30	Study Time	

30.04.2014 WEDNESDAY		
08:30 – 09:10	Vertebral Column, Ribs and Sternum	Alp Bayramođlu
09:20 – 10:00	Vertebral Column, Ribs and Sternum	Alp Bayramođlu
10:10 – 10:50	Study Time	
11:00 – 11:40	LAB: Base of Skull _Group A	Alp Bayramođlu-Elif N. Keskinöz
11:50 – 12:30	LAB: Base of Skull _Group A	Alp Bayramođlu-Elif N. Keskinöz
13:30 – 14:10	Turkish Language and Literature	Hülya Dündar Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya Dündar Şahin
15:10 – 15:50	LAB: Base of Skull _Group B	Alp Bayramođlu-Elif N. Keskinöz
16:00 – 16:40	LAB: Base of Skull _Group B	Alp Bayramođlu-Elif N. Keskinöz

01.05.2014 THURSDAY		
<b>Labour and Solidarity Day</b>		

02.05.2014 FRIDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Optics	Evren Kılınç
10:10 – 10:50	Optics	Evren Kılınç
11:00 – 11:40	LAB: Vertebral column, Ribs and Sternum _Group A	Alp Bayramođlu-Elif N. Keskinöz
11:50 – 12:30	LAB: Vertebral column, Ribs and Sternum _Group A	Alp Bayramođlu-Elif N. Keskinöz
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	LAB: Vertebral column, Ribs and Sternum _Group B	Alp Bayramođlu-Elif N. Keskinöz
16:00 – 16:40	LAB: Vertebral column, Ribs and Sternum _Group B	Alp Bayramođlu-Elif N. Keskinöz

**05.05.2014 MONDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Overview to central nervous system	Alp Bayramođlu
10:10 – 10:50	Overview to central nervous system	Alp Bayramođlu
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadađ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadađ
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Medical English II	
16:00 – 17:30	Study Time	

**06.05.2014 TUESDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Theories of Psychopathology	Burcu Göksan Yavuz
11:00 – 11:40	Theories of Psychopathology	Burcu Göksan Yavuz
11:50 – 12:30	Theories of Psychopathology	Burcu Göksan Yavuz
13:30 – 14:10	Synthetic Biology	Sinan Fındık
14:20 – 15:00	Synthetic Biology	Sinan Fındık
15:10 – 15:50	Synthetic Biology	Sinan Fındık
16:00 – 17:30	Elective Course II	

**07.05.2014 WEDNESDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Overview to Peripheral Nervous System	Elif N. Keskinöz
10:10 – 10:50	Overview to Peripheral Nervous System	Elif N. Keskinöz
11:00 – 11:40	Information transmission and content of information	Devrim Öz Arslan
11:50 – 12:30	Introduction to sense	Meltem Kolgazi
13:30 – 14:10	Turkish Language and Literature	Hülya Dünder Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya Dünder Şahin
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**08.05.2014 THURSDAY**

08:30 – 09:10		
09:20 – 10:00	<b>CMPS-II MID-COMMITTEE EXAMINATION</b>	
10:10 – 10:50		
11:00 – 12:30	CMPS II: Research in Health <i>Scientific Thinking and Reasoning</i>	İsmail Hakkı Ulus
13:30 – 14:10	Biomarker Discovery	Sinan Fındık
14:20 – 15:00	Biomarker Discovery	Sinan Fındık
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**09.05.2014 FRIDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Histology of Nervous System	Deniz Yücel
10:10 – 10:50	Histology of Nervous System	Deniz Yücel
11:00 – 11:40	Somatosensory Systems	Meltem Kolgazi
11:50 – 12:30	Somatosensory Systems	Meltem Kolgazi
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

12.05.2014 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	LAB: Histology of Nervous System _Group A	Deniz Yücel
10:10 – 10:50	LAB: Histology of Nervous System _Group A	Deniz Yücel
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Medical English II	
16:00 – 17:30	LAB: Histology of Nervous System _Group B	Deniz Yücel
13.05.2014 TUESDAY		
08:30 – 09:10	Personality and temperament	Ferzan Curun
09:20 – 10:00	Personality and temperament	Ferzan Curun
10:10 – 10:50	Personality and temperament	Ferzan Curun
11:00 – 11:40	Control Mechanisms	Devrim Öz Arslan
11:50 – 12:30	Control Mechanisms	Devrim Öz Arslan
13:30 – 14:10	Bioinformatics of High-throughput Analysis	Sinan Fındık
14:20 – 15:00	Bioinformatics of High-throughput Analysis	Sinan Fındık
15:10 – 15:50	Bioinformatics of High-throughput analysis	Sinan Fındık
16:00 – 17:30	Elective Course II	
14.05.2014 WEDNESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	<b>MED 106 MID- COMMITTEE EXAMINATION</b>	
11:00 – 11:40		
11:50 – 12:30	Study Time	
13:30 – 14:10	Turkish Language and Literature	Hülya Dündar Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya Dündar Şahin
15:10 – 15:50	LAB: Nervous System _Group A	Alp Bayramoğlu-Elif N. Keskinöz
16:00 – 16:40	LAB: Nervous System _Group A	Alp Bayramoğlu-Elif N. Keskinöz
15.05.2014 THURSDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	CMPS II: Research in Health <i>Introduction to Epidemiology</i>	Figen Demir
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10	Bioarrays and Analysis	Sinan Fındık
14:20 – 15:00	Bioarrays and Analysis	Sinan Fındık
15:10 – 15:50	LAB: Nervous System _Group B	Alp Bayramoğlu-Elif N. Keskinöz
16:00 – 16:40	LAB: Nervous System _Group B	Alp Bayramoğlu-Elif N. Keskinöz
16.05.2014 FRIDAY		
08:30 – 09:10	The Orbit and Eyeball	Elif N. Keskinöz
09:20 – 10:00	The Orbit and Eyeball	Elif N. Keskinöz
10:10 – 10:50	The Orbit and Eyeball	Elif N. Keskinöz
11:00 – 11:40	Histology of Eye	Deniz Yücel
11:50 – 12:30	Histology of Eye	Deniz Yücel
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Optics of vision	Evren Kılınç
16:00 – 16:40	Optics of vision	Evren Kılınç

19.05.2014 MONDAY

Commemoration Atatürk, Youth and Sports Day

20.05.2014 TUESDAY

08:30 – 09:10	Stages of Psychosocial Development	Ferzan Curun
09:20 – 10:00	Motivation and Behavior	Ferzan Curun
10:10 – 10:50	Motivation and Behavior	Ferzan Curun
11:00 – 11:40	Biophysics of photoreception	Beki Kan
11:50 – 12:30	Biophysics of photoreception	Beki Kan
13:30 – 14:10	Computational Medicine	Sinan Fındık
14:20 – 15:00	Computational Medicine	Sinan Fındık
15:10 – 15:50	Computational Medicine	Sinan Fındık
16:00 – 17:30	Elective Course II	

21.05.2014 WEDNESDAY

08:30 – 09:10	The Ear	Alp Bayramoğlu
09:20 – 10:00	The Ear	Alp Bayramoğlu
10:10 – 10:50	The Ear	Alp Bayramoğlu
11:00 – 11:40	LAB: The Orbit and Eyeball _Group A	Alp Bayramoğlu-Elif N. Keskinöz
11:50 – 12:30	LAB: The Orbit and Eyeball _Group A	Alp Bayramoğlu-Elif N. Keskinöz
13:30 – 14:10	Turkish Language and Literature	Hülya DüNDAR Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya DüNDAR Şahin
15:10 – 15:50	LAB: The Orbit and Eyeball _Group B	Alp Bayramoğlu-Elif N. Keskinöz
16:00 – 16:40	LAB: The Orbit and Eyeball _Group B	Alp Bayramoğlu-Elif N. Keskinöz

22.05.2014 THURSDAY

08:30 – 09:10	Histology of Ear	Serap Arbak
09:20 – 10:00	Histology of Ear	Serap Arbak
10:10 – 10:50	CMPS II: Research in Health <i>Causation in Epidemiology: Types of Association</i>	Figen Demir
11:00 – 11:40	<i>Causation in Epidemiology: Types of Causal Relationship</i>	Pınar Topsever
11:50 – 12:30	<i>Causation in Epidemiology: Criteria for Causality</i>	
13:30 – 14:10	Computational Medicine	Sinan Fındık
14:20 – 15:00	Microfluidics and Biosensors	Sinan Fındık
15:10 – 15:50	Microfluidics and Biosensors	Sinan Fındık
16:00 – 16:40	Study Time	

23.05.2014 FRIDAY

08:30 – 09:10	Study Time	
09:20 – 10:00	LAB: The Ear _Group A	Alp Bayramoğlu-Elif N. Keskinöz
10:10 – 10:50	LAB: The Ear _Group A	Alp Bayramoğlu-Elif N. Keskinöz
11:00 – 11:40	LAB: The Ear _Group B	Alp Bayramoğlu-Elif N. Keskinöz
11:50 – 12:30	LAB: The Ear _Group B	Alp Bayramoğlu-Elif N. Keskinöz
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

26.05.2014 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Physiology of hearing	Meltem Kolgazi
11:00 – 11:40	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Medical English II	
16:00 – 16:40	Study Time	

27.05.2014 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Attention, memory and learning	İlyas Göz
10:10 – 10:50	Attention, memory and learning	İlyas Göz
11:00 – 11:40	Receptive fields and retinal processing	Beki Kan
11:50 – 12:30	Receptive fields and retinal processing	Beki Kan
13:30 – 14:10	Computer Aided Drug Design	Sinan Fındık
14:20 – 15:00	Computer Aided Drug Design	Sinan Fındık
15:10 – 15:50	Computer Aided Drug Design	Sinan Fındık
16:00 – 17:30	Elective Course II	

28.05.2014 WEDNESDAY		
08:30 – 09:10	Biochemistry of Connective Tissue	Abdurrahman Coşkun
09:20 – 10:00	Biochemistry of Connective Tissue	Abdurrahman Coşkun
10:10 – 10:50	Biochemistry of Connective Tissue	Abdurrahman Coşkun
11:00 – 11:40	Development of the Eye and Ear	Deniz Yücel
11:50 – 12:30	Development of the Eye and Ear	Deniz Yücel
13:30 – 14:10	Turkish Language and Literature	Hülya Dündar Şahin
14:20 – 15:00	Turkish Language and Literature	Hülya Dündar Şahin
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

29.05.2014 THURSDAY		
	4 <sup>th</sup> STUDENT RESEARCH CONGRESS	

30.05.2014 FRIDAY		
	4 <sup>th</sup> STUDENT RESEARCH CONGRESS	

31.05.2014 SATURDAY		
	4 <sup>th</sup> STUDENT RESEARCH CONGRESS	

**02.06.2014 MONDAY**

08:30 – 09:10	Biochemical Aspects of Immunoglobulins	Abdurrahman Coşkun
09:20 – 10:00	Central Neurophysiology of Vision	Meltem Kolgazi
10:10 – 10:50	Central Neurophysiology of Vision	Meltem Kolgazi
11:00 – 11:40	Atatürk's Principles and History of Revolution Examination	Özgür Mutlu Ulus Karadağ
11:50 – 12:30	Atatürk's Principles and History of Revolution Examination	Özgür Mutlu Ulus Karadağ
13:30 – 14:10	Medical English II	
14:20 – 15:00	Medical English II	
15:10 – 15:50	Medical English II	
16:00 – 16:40	Study Time	

**03.06.2014 TUESDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Emotions and Cognitions	İlyas Göz
10:10 – 10:50	Emotions and Cognitions	İlyas Göz
11:00 – 11:40	Biochemistry of Adipose Tissue	Mustafa Serteser
11:50 – 12:30	Biochemistry of Adipose Tissue	Mustafa Serteser
13:30 – 14:10	Computer Aided Drug Design	Sinan Fındık
14:20 – 15:00	Computer Aided Drug Design	Sinan Fındık
15:10 – 15:50	Study Time	
16:00 – 17:30	Elective Course II Examination	

**04.06.2014 WEDNESDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	LAB: Electrooculogram_Group A	Devrim Öz Arslan-Evren Kılınc
10:10 – 10:50	LAB: Electrooculogram_Group A	Devrim Öz Arslan-Evren Kılınc
11:00 – 11:40	LAB: Electrooculogram_Group B	Devrim Öz Arslan-Evren Kılınc
11:50 – 12:30	LAB: Electrooculogram_Group B	Devrim Öz Arslan-Evren Kılınc
13:30 – 14:10	Turkish Language and Literature Examination	Hülya Dünder Şahin
14:20 – 15:00	Turkish Language and Literature Examination	Hülya Dünder Şahin
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**05.06.2014 THURSDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00		
10:10 – 10:50	CMPS II: Research in Health	Figen Demir
11:00 – 11:40	<i>Practicing Causation Criteria</i>	Pınar Topsever
11:50 – 12:30		Nadi Bakırcı
13:30 – 14:10		
14:20 – 15:00	<b>MED 107 MEDICAL INFORMATICS SUBJECT COMMITTEE EXAMINATION</b>	
15:10 – 15:50		
16:00 – 16:40		

**06.06.2014 FRIDAY**

08:30 – 09:10	Histology of Taste Buds and Olfactory System	Serap Arbak
09:20 – 10:00	Biophysics of auditory system	Evren Kılınc
10:10 – 10:50	Biophysics of auditory system	Evren Kılınc
11:00 – 11:40	Biochemistry of Nervous Tissue	Mustafa Serteser
11:50 – 12:30	Biochemistry of Nervous Tissue	Mustafa Serteser
13:30 – 14:10	Medical English II Examination	
14:20 – 15:00	Medical English II Examination	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

09.06.2014 MONDAY		
08:30 – 09:10		
09:20 – 10:00		
10:10 – 10:50	<b>CMPS II MED 108 SUBJECT COMMITTEE EXAMINATION</b>	
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10	LAB: Biofeedback and reaction time _Group A	Devrim Öz Arslan-Evren Kılınc
14:20 – 15:00	LAB: Biofeedback and reaction time _Group A	Devrim Öz Arslan-Evren Kılınc
15:10 – 15:50	LAB: Biofeedback and reaction time _Group B	Devrim Öz Arslan-Evren Kılınc
16:00 – 16:40	LAB: Biofeedback and reaction time _Group B	Devrim Öz Arslan-Evren Kılınc

10.06.2014 TUESDAY		
08:30 – 09:10	Taste and Olfaction	Meltem Kolgazi
09:20 – 10:00	Taste and Olfaction	Meltem Kolgazi
10:10 – 10:50	Anatomy of the Endocrine Organs	Elif N. Keskinöz
11:00 – 11:40	Research Tools in Psychophysiology	Mehmet Ergen
11:50 – 12:30	Research Tools in Psychophysiology	Mehmet Ergen
13:30 – 14:10		
14:20 – 15:00	Small Group Discussion: Introduction to Clinical Chemistry Laboratory	Mustafa Serteser-Abdurrahman Coşkun
15:10 – 15:50		
16:00 – 16:40		

11.06.2014 WEDNESDAY		
08:30 – 09:10	Introduction to the endocrine system physiology	Meltem Kolgazi
09:20 – 10:00	Biology of Sleep	Burcu Göksan Yavuz
10:10 – 10:50	Stress	Ferzan Curun
11:00 – 11:40	Histology of the Endocrine Organs	Serap Arbak
11:50 – 12:30	Histology of the Endocrine Organs	Serap Arbak
13:30 – 14:10	LAB: Histology of the Endocrine Organs _Group A	Serap Arbak
14:20 – 15:00	LAB: Histology of the Endocrine Organs _Group A	Serap Arbak
15:10 – 15:50	LAB: Histology of the Endocrine Organs _Group B	Serap Arbak
16:00 – 16:40	LAB: Histology of the Endocrine Organs _Group B	Serap Arbak

12.06.2014 THURSDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

13.06.2014 FRIDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

16.06.2014 MONDAY

**MED 106 SUBJECT COMMITTEE PRACTICAL AND THEORETICAL EXAMINATION**







ACIBADEM  
UNIVERSITY

# 2013-2014 YEAR 2

SCHOOL OF MEDICINE

## YEAR 2 COURSE CREDITS

COURSES	Theoretical Hours			Practical Hours			Study Time	Total	National credits	ECTS
	Lectures	IALS	Sub-Total	Lab study	Field study	Sub-Total				
Cell and Tissue Injury: Homeostasis	63	0	63	6	0	6	34	103	5	4
Cell and Tissue Injury: Infection and Neoplasia	85	0	85	22	0	22	70	177	7	7
Hematopoietic and Immune System and Related Disorders	66	8	74	5	0	5	45	124	6	5
Musculoskeletal System and Related Disorders	107	0	107	24	0	24	73	204	8	8
Respiratory System and Related Disorders	90	0	90	8	0	8	81	179	7	7
Clinical Medicine and Professional Skills III	31	30	61	23	9	32	90	181	6	7
Clinical Medicine and Professional Skills IV	16	18	34	22	36	58	110	202	5	8
Medical Informatics and Biomedical Technologies-I	72	0	72	36	0	36	40	148	6	6
Medical English-III	20	0	20	40	0	40	10	70	3	3
Medical English-IV	20	0	20	41	0	41	15	76	3	3
Elective Course-III	28	0	28	0	0	0	5	33	2	1
Elective Course-IV	28	0	28	0	0	0	5	33	2	1
<b>TOTAL</b>	<b>626</b>	<b>56</b>	<b>682</b>	<b>227</b>	<b>45</b>	<b>272</b>	<b>578</b>	<b>1532</b>	<b>60</b>	<b>60</b>

**IALS** Interactive Learning Sessions (Panels, debates, discussions, symposia, case studies, problem-based learning sessions, etc.)

**Field Study** Site visits, Studies in the community, Working in health facilities

**Lab Study** Clinical skills labs, Basic sciences labs, Computer labs, Performance sessions

**Study Time** Self Directed Learning, Preparation

## YEAR 2 COURSE INFORMATION

Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	63	Credit	ECTS
			Practical (Hour)	6		
Cell and Tissue : Homeostasis	MED 201	Fall	Study Time (Hour)	34	5	4

Educational Language	:	English
Course Type	:	Compulsory
Course Level	:	Undergraduate
Year Coordinators	:	Prof. Tanıl Kocagöz; tanilkocagoz@gmail.com Assist. Prof. Devrim Öz Arslan; devrim.arslan@acibadem.edu.tr
Committee Chairs	:	Prof. Aysel Özpınar; aysel.ozpınar@acibadem.edu.tr Assist. Prof. Evren Kılınç; evren.kilinc@acibadem.edu.tr
Academic Units & Staff	:	<p><b>Biochemistry</b> Özge CAN, Ph.D., Assist. Prof.</p> <p><b>Biophysics</b> Beki KAN, Ph.D., Prof. Devrim Öz ARSLAN , Ph.D., Assist. Prof.</p> <p><b>Family Medicine</b> Pınar TOPSEVER, M.D., Assoc. Prof.</p> <p><b>Medical Microbiology</b> Tanıl KOCAGÖZ, M.D. Ph.D., Prof. Sesin KOCAGÖZ, M.D. Prof. Işın AKYAR, M.D., Assist. Prof. Onur KARATUNA, M.D., Assist. Prof.</p> <p><b>Nuclear Medicine</b> Erkan VARDARELİ, M.D. Prof.</p> <p><b>Pathology</b> Ümit İNCE, M.D., Prof. İlkser AKPOLAT, M.D., Prof. Yeşim SAĞLICAN, M.D., Instructor Hale KIRIMLIOĞLU., M.D., Assoc Prof.</p> <p><b>Pharmacology</b> İsmail Hakkı ULUS, M.D., Ph.D., Prof.</p> <p><b>Physics</b> Evren KILINÇ, Ph.D., Assist. Prof.</p> <p><b>Physiology</b> Mehmet ERGEN, D.V.M., Ph.D., Assist. Prof.</p> <p><b>Affiliated Faculty</b> <b>Pharmacology</b> Filiz ONAT, M.D., Prof..</p>
Course Date	:	21.10.2013-25.11.2013
Educational Methods	:	Theoretical and Practical Courses, Discussions, Seminars
Assessment Methods	:	Theoretical and Practical Subject Committee Exams, Homeworks, Presentations, Discussions
Course Aims	:	The main aim of “Cell and Tissue: Homeostasis” course is to provide necessary knowledge about the basic mechanisms of injury, haemodynamic principles along with response of the body and describe the general features of medically important microorganisms.

Learning Outcomes	<p>By the end of this committee, the students will be able to:</p> <ul style="list-style-type: none"> <li>• gain knowledge about basic principles of physiology of the molecular transport systems and haemodynamic principles</li> <li>• distinguish types, sources and hazards of radiation</li> <li>• comprehend microbial metabolism and their pathogenesis in cells and tissues</li> <li>• classify sterilization and disinfection procedures</li> <li>• apply culture and microscopy techniques for identification of microorganisms</li> <li>• be able to define pathological response to tissue and cell injury, mechanisms of tissue repair</li> <li>• be able to explain and point out the importance of medical biology and genetics in medicine and define the molecular basis of genetic diseases</li> <li>• practice and review disease causing pathologies</li> <li>• review the basic concepts of nuclear medicine</li> </ul>
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Course Name	Code	Semester (Fall/Spring) Practical (Hour)	Theoretical (Hour)	85	Credit	ECTS
			22			
<b>Cell and Tissue : Infections and Neoplasia</b>	<b>MED 203</b>	<b>Fall</b>	<b>Study Time (Hour)</b>	<b>70</b>	<b>7</b>	<b>7</b>

Educational Language	:	English
Course Type	:	Compulsory
Course Level	:	Undergraduate
Year Coordinators	:	Prof. Tanıl Kocagöz; tanilkocagoz@gmail.com Assist. Prof. Devrim Öz Arslan; devrim.arslan@acibadem.edu.tr
Committee Chairs	:	Assoc. Prof. Özgür Kurt ozgur.kurt@acibadem.edu.tr Assist. Prof. Özge Can; ozge.can@acibadem.edu.tr
Academic Units & Staff	:	<p><b>Biochemistry</b> Özge CAN, Ph.D., Assist. Prof. İbrahim ÜNSAL, M.D., Ph.D., Prof.</p> <p><b>Biophysics</b> Beki KAN, Ph.D., Prof.</p> <p><b>Family Medicine</b> Pınar TOPSEVER, M.D., Assoc. Prof. Efe ONGANER, M.D., Assist. Prof.</p> <p><b>Medical Microbiology</b> Tanıl KOCAGÖZ, M.D., Ph.D., Prof. Sesin KOCAGÖZ, M.D., Prof. Özgür KURT M.D., Assoc. Prof. Işın AKYAR, M.D., Assist. Prof. Onur KARATUNA, M.D., Assist. Prof. Hülya KUŞOĞLU, M.D., Instructor</p> <p><b>Pathology</b> Ümit İNCE, M.D., Prof Hale KIRIMLIOĞLU, M.D Assoc Prof.</p> <p><b>Pharmacology</b> İsmail Hakkı ULUS, M.D., Ph.D., Prof.</p> <p><b>Physiology</b> Melike ŞAHİNER M.D., Ph.D., Assist. Prof.</p> <p><b>Public Health</b> Figen DEMİR, M.D., Assist. Prof.</p> <p><b>Affiliated Faculty</b> <b>Pharmacology</b> Filiz ONAT , M.D., Prof.</p>
Course Date	:	27.11.2013-06.01.2014
Educational Methods	:	Theoretical and Practical Courses, Discussions, Seminars
Assessment Methods	:	Theoretical and Practical Subject Committee Exams, Homework, Presentations, Discussions
Course Aims	:	The purpose of this course is to expand medical students' basic science knowledge to comprehend how certain changes in human body may give rise to disease and to analyze underlying processes of human diseases while developing their scientific skills.
Learning Outcomes	:	<p>By the end of this course, the students will be able to:</p> <ul style="list-style-type: none"> <li>• explain using proper nomenclature, etiology, pathogenesis of diseases, structural and functional changes at tissue, cellular and subcellular level</li> <li>• explain in detail what happens to cells and tissues in response to abnormal stimuli,</li> <li>• explain basic principles of protection (immune) systems against microorganisms and foreign molecules</li> <li>• to define the biochemical aspects of cell death in health and diseases</li> <li>• to classify infectious microorganisms and define their pathogenic features</li> <li>• describe bacterial, viral, fungal and parasitic infections and their disease causing mechanisms</li> <li>• apply laboratory methods for the diagnosis of infectious agents</li> <li>• define the basic pharmacokinetic and pharmacodynamic principles of drugs</li> </ul>

Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	74	Credit	ECTS
			Practical (Hour)	5		
<b>Hematopoietic System &amp; Related Disorders</b>	<b>MED 205</b>	<b>Fall</b>	<b>Study Time (Hour)</b>	<b>45</b>	<b>6</b>	<b>5</b>

Educational Language	:	English
Course Type	:	Compulsory
Course Level	:	Undergraduate
Year Coordinators	:	Prof. Tanil Kocagöz; tanilkocagoz@gmail.com Assist. Prof. Devrim Öz Arslan; devrim.arslan@acibadem.edu.tr
Committee Chairs	:	Assist. Prof. Ant Uzay; Assist. Prof. Cemaliye Akyerli Boylu;cemaliye.boylu@acibadem.edu.tr
Academic Units & Staff	:	<p><b>Anatomy:</b> Alp BAYRAMOĞLU, M.D., Ph.D., Prof.</p> <p><b>Biochemistry:</b> Abdurrahman COŞKUN, M.D., Assoc. Prof. Özge CAN, Ph.D., Assist. Prof.</p> <p><b>Family Medicine:</b> Demet DİNÇ, M.D., Instructor</p> <p><b>Haematology:</b> Siret RATİP, M.D., Ph.D., Prof. Ant UZAY, M.D., Assist. Prof.</p> <p><b>Medical Biology:</b> Cengiz YAKICIER, M.D., Ph.D., Assoc. Prof. Cemaliye AKYERLİ BOYLU, Ph.D., Assist. Prof.</p> <p><b>Histology and Embryology</b> Serap ARBAK, Ph.D., Prof. Deniz YÜCEL, Ph.D., Assist. Prof.</p> <p><b>Medical Microbiology:</b> Şesin KOCAGÖZ, M.D., Prof. Özgür KURT M.D., Assoc. Prof.</p> <p><b>Pathology:</b> Ümit İNCE, M.D., Assoc. Prof.</p> <p><b>Pediatrics:</b> Cengiz ÇANPOLAT, M.D., Prof. Ebru TUĞRUL SARİBEYOĞLU, M.D., Assist. Prof. Ertuğrul ERYILMAZ, M.D., Assist. Prof.</p> <p><b>Pharmacology:</b> İsmail Hakkı ULUS, M.D., Ph.D., Prof.</p> <p><b>Physiology:</b> Meltem KOLGAZI, Ph.D, Assist. Prof.</p> <p><b>Affiliated Faculty</b> <b>Pharmacology</b> Filiz ONAT, M.D., Prof.</p>
Course Date	:	08.01.2014 - 07.02.2014
Educational Methods	:	Theoretical and Practical Courses, Discussions, Seminars, Interactive Module
Assessment Methods	:	Theoretical and Practical Subject Committee Exams, Homeworks, Presentations, Discussions
Course Aims	:	The aim of this course is to provide an account of the histological, physiological, biochemical and genetic basis of the haematological processes with descriptions of the clinical and laboratory features and management of blood disorders.
Learning Outcomes	:	<p>By the end of this course, the students will be able to:</p> <ul style="list-style-type: none"> <li>• define the basic histological, physiological, biochemical and genetic properties involved in haematological processes</li> <li>• describe the pathology which occurs when these normal processes are disturbed</li> <li>• explain the processes that protect our body from infectious agents</li> <li>• explain the clinical and laboratory features of common blood disorders and their management</li> </ul>

Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	61	Credit	ECTS
			Practical (Hour)	32		
Clinical Medicine and Professional Skills–III	MED 207	Fall	Study Time (Hour)	90	6	7
Educational Language	:	English				
Course Type	:	Compulsory				
Course Level	:	Undergraduate				
Year Coordinators	:	Prof. Tanıl Kocagöz; tanilkocagoz@gmail.com Assist. Prof. Devrim Öz Arslan; devrim.arslan@acibadem.edu.tr				
CMPS Coordinators	:	Assoc. Prof. Pınar TOPSEVER pınar.topsever@acibadem.edu.tr Assist. Prof. Figen DEMİR, figen.demir@acibadem.edu.tr				
Academic Units & Staff	:	<p><b>Family Medicine</b> Pınar TOPSEVER, M.D., Assoc. Prof. Efe ONGANER, M.D., Assist. Prof. Demet DİNÇ, M.D., Instructor</p> <p><b>History of Medicine and Ethics</b> Yeşim Işıl ÜLMAN, Ph.D., Prof. Fatih ARTVİNLİ, Ph.D., Assist. Prof.</p> <p><b>Physical Health and Rehabilitation</b> Ayçe ATALAY, M.D., Assoc. Prof.</p> <p><b>Pulmonary Medicine</b> Ceyda Erel KIRIŞOĞLU, M.D., Assist. Prof</p> <p><b>Internal Medicine</b> Eser VARDARELİ, M.D., Assoc. Prof.</p> <p><b>Pharmacology</b> İsmail Hakkı ULUS, MD., Ph.D., Prof.</p> <p><b>Physiology</b> Güldal SÜYEN, M.D., Ph.D., Prof. Melike ŞAHİNER, M.D., Ph.D., Assist. Prof.</p> <p><b>Public Health</b> Nadi BAKIRCI, M.D., Ph.D, Prof. Figen DEMİR, M.D., MPH, Instructor</p> <p><b>Affiliated Faculty</b> İnci USER, PhD., Assoc. Prof. Yeşim YAŞIN, MSc. Şirin PARKAN M.D. Şabah TÜZÜN, M.D.</p>				
Course Date	:	22.10.2013-04.02.2014				
Educational Methods	:	Interactive lectures, drama, role play, peer discussions, experiential learning, field studies, seminars, site visits, group assignments, making projects, group presentations and discussions, reflective and peer group learning experiences,				
Assessment Methods	:	Theoretical and practical examinations, essays, presentations, performance based assessment , OSCE, written examination, log-books, standardized evaluation of projects.				
Course Aims	:	<p>This course aims to</p> <p><b>Clinical and Communication Skills:</b> to provide necessary knowledge and skills about;</p> <ul style="list-style-type: none"> <li>• communication with patients, their relatives and carers and third parties</li> <li>• communication with groups, colleagues in a medical context</li> <li>• history taking (anamnesis) and basic physical examination</li> </ul> <p><b>Health and Society:</b> to create a learning opportunity for students to develop the knowledge and skills related to the prevention and promotion of population health</p> <p><b>Research in Health:</b> to create a learning opportunity for students to gain knowledge and skills related to planning and conducting a medical research project.</p>				

<p><b>Learning Outcomes</b></p>	<p>By the end of this course, the students will;</p> <p><b><i>Clinical and Communication Skills:</i></b></p> <ul style="list-style-type: none"> <li>• name the steps and defines the structure of a medical patient interview</li> <li>• demonstrate active listening skills during physician-patient encounter</li> <li>• demonstrate non-verbal communication skills during physician-patient encounter</li> <li>• use empathy in a medical encounter to build up an effective physician-patient relationship</li> <li>• communicate effectively, sensitively and clearly</li> <li>• have established competence in interpersonal communication with individuals from different backgrounds (health status and socio-demographics)</li> <li>• be able to communicate effectively with patients, their relatives/carers to collect and to give correct and necessary information</li> <li>• ensure patient participation in medical decisions and obtain informed consent</li> <li>• be aware of group dynamics and the necessity of team work in health care</li> <li>• demonstrate consultative and scholar communication skills (communication with colleagues and other health care professionals )</li> <li>• display a compassionate and patient-centred approach based on humanistic-ethical values and respect for others when communicating with patients and/or with persons in their social environment</li> <li>• explain how to communicate with groups-public for health education programs</li> <li>• correctly plan and take a complete medical history (anamnesis)</li> <li>• correctly complete the physical examination</li> </ul> <p><b><i>Health and Society:</i></b></p> <ul style="list-style-type: none"> <li>• discuss the principles and application of primary, secondary and tertiary prevention of disease and promotion of health</li> <li>• discuss the relations between different aspect of stratification and health and illness <ul style="list-style-type: none"> <li>• Social class and health</li> <li>• Race/ethnicity and health</li> <li>• Gender and health</li> <li>• Age and health</li> </ul> </li> <li>• recognize the role of environmental and occupational hazards in ill health and discuss ways to mitigate their effects</li> <li>• make a field observation about the practice of primary health care</li> <li>• prepare a project proposal to develop and use the appropriate tools for health promotion and prevention</li> </ul> <p><b><i>Research in Health:</i></b></p> <ul style="list-style-type: none"> <li>• formulate a simple relevant research question in biomedical, psychosocial or population science</li> <li>• design an appropriate study or experiment to address the question</li> <li>• plan a data collection method and develop necessary tools depending on the nature of information</li> <li>• explain the ethical and legal issues involved in medical research</li> <li>• write a research proposal</li> </ul> <p><b><i>Skills related to the subject committee- Hematopoietic System &amp; Related Disorders:</i></b></p> <ul style="list-style-type: none"> <li>• Learn how to draw and prepare peripheral blood smear (including staining) and to obtain leucocyte count from a blood smear.</li> <li>• Obtain and interpret sedimentation rate, haemoglobin concentration and haematocrit value</li> </ul>
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Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	72	Credit	ECTS
			Practical (Hour)	36		
<b>Medical Informatics and Bio-medical Technologies-I</b>	<b>MED 209</b>	<b>Fall-Spring</b>	<b>Study Time (Hour)</b>	<b>35</b>	<b>6</b>	<b>6</b>

<b>Educational Language</b>	:	English
<b>Course Type</b>	:	Compulsory
<b>Course Level</b>	:	Undergraduate
<b>Year Coordinators</b>	:	Prof. Tanıl Kocagöz; tanilkocagoz@gmail.com Assist. Prof. Devrim Öz Arslan devrim.arslan@acibadem.edu.tr
<b>Course Coordinators</b>	:	Prof. Tanıl Kocagöz; tanilkocagoz@gmail.com Assist. Prof. Onur Karatuna; onur.karatuna@acibadem.edu.tr
<b>Academic Units &amp; Staff</b>	:	<p>Tanıl KOCAGÖZ, M.D., Ph.D., Prof. Beki KAN, Ph.D., Prof. Cengiz YAKICIER, M.D., Prof. Ümit İNCE, M.D., Prof. Çağlar ÇUHADAROĞLU, M.D., Prof. Alp DİNÇER, M.D, Assoc. Prof. Abdurrahman COŞKUN, M.D., Assoc. Prof. Özgür KURT, M.D., Ph.D., Assoc. Prof. Geysu KARLIKAYA, M.D., Assoc. Prof. Ümit AKSOY ÖZCAN, M.D., Assist. Prof. Evren KILINÇ, Ph.D., Assist. Prof. Onur KARATUNA, M.D. Assist. Prof. Cemaliye AKYERLİ BOYLU, Ph.D., Assist. Prof. Devrim ÖZ ARSLAN, Ph.D., Assist. Prof. Deniz YÜCEL, Ph.D., Assist. Prof. Işın AKYAR, M.D., Assist. Prof. Ali TÜRK, M.D., Assist. Prof. Meltem KİLERCİK, M.D. Assist. Prof. Sinem ÖKTEM OKULLU, MSc. Nihan AYTEKİN ÜNÜBOL, MSc., Instructor Sinan FINDIK, MSc., Instructor</p> <p><b>Affiliated Faculty (Information Technologies)</b> Gürdal Şahin Özge Sağıroğlu Eda Demirci Deniz Konuk</p>
<b>Course Date</b>	:	01.11.2014 - 13.06.2014
<b>Educational Methods</b>	:	Theoretical and Practical Courses, Discussions, Seminars
<b>Assessment Methods</b>	:	Theoretical and Practical Subject Committee Exams, Homeworks, Presentations, Discussions
<b>Course Aims</b>	:	<p>One of the aims of this course is to provide knowledge about informatics used in medicine which consists of information technologies and bioinformatics. The other main aim of the course is to provide necessary knowledge about technologies used in medicine for diagnosis and treatment. It aims to achieve this goal by giving information about the basic principles to which these technologies are based on and how these scientific principles are turned into diagnostic and therapeutic tools. It also aims to make students evaluate easier the results of medical tests obtained by the diagnostic instruments and stimulate thinking and discussing about developing these technologies and new application areas.</p>

<p><b>Learning Outcomes</b></p>	<p>By the end of this course, the students will be able to:</p> <ul style="list-style-type: none"> <li>• use Genbank and other biomedical data bases</li> <li>• compare genes and their functions</li> <li>• understand how biomarkers can be discovered using bioinformatics</li> <li>• predict protein structure and function from sequence</li> <li>• understand how new drugs are designed by homology modeling</li> <li>• evaluate microarray techniques and how they are used in the diagnosis of cancer and other diseases</li> <li>• learn the principles of synthetic biology</li> </ul> <p>will also:</p> <ul style="list-style-type: none"> <li>• gain knowledge about the operating systems, computer hardware and software systems</li> <li>• have experience of word processing, presentation and data analysis softwares</li> <li>• have experience on data security</li> <li>• use hospital automation systems</li> <li>• comprehend the role and importance of information technologies (IT) infrastructure for improving the medical science.</li> <li>• practice and review the computer and its application</li> <li>• gain knowledge about the principles of flowcytometry and how it is used in cell differentiation and counting</li> <li>• understand how light is used for chemical and molecular analysis; the principle of fluorescence and its application in medicine</li> <li>• evaluate different techniques of nucleic acid amplification and detection</li> <li>• comprehend different techniques like electrophoresis, chromatography and mass spectrometry for separation and analysis of molecules</li> <li>• comprehend the principles of image production by X-Ray, ultrasonography, computerized tomography (CT) and magnetic resonance imaging (MRI)</li> <li>• understand the principle of broncoscopy and how it is used for diagnostic and therapeutic purposes</li> <li>• gain knowledge about the applications of polysomnography</li> </ul>
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Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	107	Credit	ECTS
			Practical (Hour)	24		
Musculoskeletal System and Related Disorders	MED 206	Spring	Study Time (Hour)	73	8	8

Educational Language	:	English
Course Type	:	Compulsory
Course Level	:	Undergraduate
Year Coordinators	:	Prof. Tanıl Kocagöz; tanilkocagoz@gmail.com Assist. Prof. Devrim Öz Arslan; devrim.arslan@acibadem.edu.tr
Committee Chairs	:	Assoc. Prof. Abdurrahman Coşkun; abdurrahman.coskun@acibadem.edu.tr Assoc. Prof. Burak Bektaş
Academic Units & Staff	:	<p><b>Anatomy:</b> Alp BAYRAMOĞLU, Ph.D., Prof. Elif Nedret KESKİNOZ, MSc., Instructor.</p> <p><b>Biochemistry:</b> Aysel ÖZPINAR, D.V.M., Ph.D., Prof. Mustafa SERTESER, M.D., Assoc. Prof.</p> <p><b>Biophysics:</b> Bekir KAN, Ph.D., Prof.</p> <p><b>Family Medicine:</b> Efe ONGANER, M.D., Assist. Prof.</p> <p><b>Histology &amp; Embryology:</b> Serap ARBAK, Ph.D., Prof. Deniz YÜCEL, Ph.D., Assist. Prof.</p> <p><b>Infectious Disease</b> Sesin KOCAGÖZ, M.D., Prof. Hülya KUŞOĞLU, M.D., Instructor</p> <p><b>Medical Biology:</b> Deniz AĞIRBAŞLI, M.D., Ph.D., Assist. Prof.</p> <p><b>Orthopedics and Traumatology:</b> Nadir ŞENER, M.D., Prof. Ufuk NALBANTOĞLU, M.D., Assoc. Prof. Burak BEKTAŞ, M.D., Assoc. Prof. Vuslat Sema ÜNAL, M.D., Assoc. Prof. Mehmet Uğur ÖZBAYDAR, M.D., Assoc. Prof..</p> <p><b>Pathology:</b> Özlem AYDIN, M.D., Assoc. Prof. Hale KIRIMLIOĞLU, M.D., Assoc. Prof.</p> <p><b>Pediatrics:</b> Alpay ÇELİKER, M.D., Prof. Gamze BEREKET, M.D., Assist. Prof.</p> <p><b>Pharmacology:</b> İsmail Hakkı ULUS, M.D., Ph.D., Prof.</p> <p><b>Physical Medicine and Rehabilitation:</b> Zeynep GÜVEN, M.D., Prof. Reyhan ÇELİKER, M.D., Prof. Ayçe ATALAY, M.D., Assoc. Prof.</p> <p><b>Physics:</b> Enver KILINÇ, Ph.D., Assist. Prof.</p> <p><b>Physiology:</b> Melike ŞAHİNER, M.D., Ph.D., Assist. Prof.</p> <p><b>Public Health:</b> Nadi BAKIRCI, M.D., Ph.D., Prof.</p> <p><b>Radiology</b> Ercan KARAARSLAN, M.D., Prof.</p> <p><b>Rheumatology:</b> Mehmet KARAARSLAN, M.D., Assist. Prof.</p> <p><b>Affiliated Faculty</b> <b>Pharmacology</b> Filiz ONAT, M.D., Prof.</p>

Course Date	:	24.02.2014-24.04.2014
Educational Methods	:	Theoretical and Practical Courses, Discussions, Field Studies, Seminars
Assessment Methods	:	Theoretical and Practical Subject Committee Exams, Homeworks, Presentations, Discussions
Course Aims	:	<p>The purpose of this course is to provide necessary knowledge about structure and function of musculoskeletal system. This system gives humans ability to move using the muscles and skeleton.</p> <p>The musculoskeletal system provides form, stability, and movement to the human body. It is made up of the body's bones (the skeleton) muscle, cartilage, tendons, ligaments, joints, and other connective tissue (the tissue that supports and binds tissues and organs together). The musculoskeletal system's primary functions include supporting the body, allowing motion, and protecting vital organs. In this committee students will be informed about all these structures, their diseases and treatment methods.</p>
Learning Outcomes	:	<p>By the end of this course, the students will be able to:</p> <ul style="list-style-type: none"> <li>• learn the muscles and bones at the ultrastructural level</li> <li>• make a correlation between muscle and bone ultrastructure and their function</li> <li>• learn the microscopic structure of bone and muscle</li> <li>• understand the biophysics of muscle contraction</li> <li>• learn the management of symptoms of functional impairment related to musculoskeletal disorders in primary care</li> <li>• understand the developmental &amp; acquired abnormalities of the musculoskeletal system</li> <li>• learn the diagnosis and treatment of traumatic disorders of the musculoskeletal system</li> <li>• learn the pathologies of the musculoskeletal system at microscopic level</li> <li>• know pharmacokinetics and pharmacodynamic properties and mechanisms of actions of drugs used in prevention and treatments of musculoskeletal system related diseases/ disorders</li> <li>• understand the physical rehabilitation of musculoskeletal system related disorders</li> </ul>

Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	90	Credit	ECTS
			Practical (Hour)	8		
Respiratory System and Related Disorders	MED 208	Spring	Study Time (Hour)	81	7	7

Educational Language	:	English
Course Type	:	Compulsory
Course Level	:	Undergraduate
Year Coordinators	:	Prof. Tanil Kocagöz; tanilkocagoz@gmail.com Assist. Prof. Devrim Öz Arslan; devrim.arslan@acibadem.edu.tr
Committee Chairs	:	Assist. Prof. Devrim Öz Arslan ; devrim.arslan@acibadem.edu.tr Assist. Prof. Yavuz Oktay ; yavuz.oktay@acibadem.edu.tr

Academic Units & Staff	:	<p><b>Anatomy:</b> Alp BAYRAMOĞLU, Ph.D., Prof. Elif Nedret KESKİNÖZ, MSc., Instructor.</p> <p><b>Biochemistry</b> Özge CAN, Ph.D., Assist. Prof. Mustafa SERTESER, M.D., Prof. Abdurrahman COŞKUN, M.D., Assoc. Prof.</p> <p><b>Biophysics:</b> Beki KAN, Ph.D., Prof. Devrim ÖZ ARSLAN, Ph.D., Assist. Prof.</p> <p><b>Family Medicine:</b> Pınar TOPSEVER, M.D., Assoc. Prof.</p> <p><b>Histology &amp; Embryology:</b> Serap ARBAK, Ph.D., Prof. Deniz YÜCEL, Ph.D., Assist. Prof.</p> <p><b>Infectious Diseases</b> Sesin KOCAGÖZ, M.D., Prof. Tanil KOCAGÖZ, M.D., Ph.D., Prof. Hülya KUŞOĞLU, M.D., Instructor</p> <p><b>Medical Biology:</b> Cemaliye AKYERLİ BOYLU, Ph.D., Assist. Prof. Deniz AĞIRBAŞLI, M.D., Ph.D., Assist. Prof.</p> <p><b>Nuclear Medicine</b> Levent GÜNER, M.D., Assist. Prof.</p> <p><b>Otolaryngology</b> Ömer Faruk ÜNAL, M.D., Prof. Şenol POLAT, M.D., Assist. Prof.</p> <p><b>Pathology</b> Handan ZEREN, M.D., Prof.</p> <p><b>Pharmacology</b> İsmail Hakkı ULUS, M.D., Ph.D., Prof.</p> <p><b>Pediatrics:</b> Yasemin ALANAY, M.D., Assoc. Prof. Müjde ARAPOĞLU, M.D., Assist. Prof. Akgül AKPINARLI, M.D., Assoc. Prof. Sibel AKA, M.D., Instructor</p> <p><b>Physiology:</b> Melike ŞAHİNER, M.D., Ph.D., Assist. Prof.</p> <p><b>Public Health:</b> Nadi BAKIRCI, M.D., Ph.D., Prof. Figen DEMİR, M.D., Assist. Prof.</p> <p><b>Pulmonary Medicine</b> Çağlar ÇUHADAROĞLU, M.D., Prof. Ceyda EREL KIRIŞOĞLU, M.D., Assist. Prof. Suha ALZAFER, M.D., Instructor Pejman GOLABAI, M.D., Instructor Hilal ALTINÖZ, M.D., Instructor</p> <p><b>Radiology</b> Ümit AKSOY ÖZCAN, M.D., Assist. Prof.</p> <p><b>Thoracic Surgery</b> Semih HALEZEROĞLU, M.D., Prof. Erdal OKUR, M.D., Assoc. Prof.</p> <p><b>Affiliated Faculty</b> Filiz ONAT, M.D., Prof.</p>
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Course Date	:	25.04.2014-16.06.2014
Educational Methods	:	Theoretical and Practical Courses, Discussions, Field Studies, Seminars, Interactive Module
Assessment Methods	:	Theoretical and Practical Subject Committee Exams, Homeworks, Presentations, Discussions
Course Aims	:	This course aims to provide necessary knowledge about the upper and lower respiratory system structure, function. It also aims to teach how to recognize the respiratory diseases and their treatment.
Learning Outcomes	:	<p>By the end of this course, the students will be able to:</p> <ul style="list-style-type: none"> <li>• identify the anatomical structures that concern with respiratory system(Nose, Nasal cavity, Larynx, Trachea, Bronchus, Diaphragm, Lungs, Pleura, thorax, Mediastinum)</li> <li>• define the histological features and the structural-functional relationship of the organs forming the upper and lower respiratory systems.</li> <li>• define the developmental stages and structural anomalies during the development process of the respiratory system</li> <li>• describe acute phase reactions, biochemical aspects of allergic reactions and laboratory investigation of allergic diseases, laboratory diagnosis of autoimmune diseases and paraproteins</li> <li>• repeat the gas laws and Laplace's law and explain the structure of the air –blood barrier and gas exchange in lungs and tissue</li> <li>• review the respiratory system functions, lung volumes and capacities, the principles of spirometry and the regulation of respiration,</li> <li>• describe the factors impairing normal function of respiratory system and their pathological reactions in various pathologic conditions.</li> <li>• define the pharmacokinetics and pharmacodynamic properties and mechanisms of actions of drugs used in prevention and treatments of respiratory system related diseases/disorders</li> <li>• describe the agents that causes the upper and lower airway infections and their laboratory and clinical diagnosis</li> <li>• acquire and utilize knowledge of the diagnosis and treatment of diseases of the upper and lower respiratory system</li> <li>• practice the examination of respiratory system and interpret the complaints and history of the patients with the symptoms of respiratory system in clinics and primary care</li> <li>• acquire and utilize knowledge of the population health, epidemiologic and preventive health aspects of diseases of the respiratory system</li> <li>• define the environmental and occupational lung disease and prevention</li> <li>• define the principles, limitations and uses of imaging modalities in respiratory system.</li> <li>• thorough understanding of the indications and imaging algorithms in respiratory system imaging identify elementary lesions of respiratory system pathology in CXR and CT imaging modalities</li> <li>• define the prevention, diagnosis and treatment of tuberculosis</li> </ul>

Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	34	Credit	ECTS
			Practical (Hour)	58		
<b>Clinical Medicine and Professional Skills–IV</b>	<b>MED 210</b>	<b>Spring</b>	<b>Study time (Hour)</b>	<b>110</b>	<b>5</b>	<b>8</b>
<b>Educational Language</b>	:	English				
<b>Course Type</b>	:	Compulsory				
<b>Course Level</b>	:	Undergraduate				
<b>Year Coordinators</b>	:	Prof. Tanıl Kocagöz; tanilkocagoz@gmail.com Assist. Prof. Devrim Öz Arslan; devrim.arslan@acibadem.edu.tr				
<b>CMPS Coordinators</b>	:	Figen DEMİR, M.D., MPH, Assist. Prof. Assoc. Prof. Pınar TOPSEVER pinar.topsever@acibadem.edu.tr				
<b>Academic Units &amp; Staff</b>	:	<p><b>Behavioral Science</b> Cem INCESU, M.D., Prof.</p> <p><b>Family Medicine</b> Pınar TOPSEVER, M.D., Assoc. Prof.</p> <p><b>Forensic Medicine</b> İşıl PAKIŞ, M.D., Assoc. Prof.</p> <p><b>History of Medicine and Ethics</b> Yeşim İşıl ÜLMAN, Ph.D., Prof. Fatih ARTVİNLİ, Ph.D., Assist. Prof.</p> <p>Orthopedics and Traumatology: Metin TÜRKMEN, M.D., Prof. Burak BEKSAÇ, M.D., Assoc. Prof. Mehmet Uğur ÖZBAYDAR, M.D., Assoc. Prof.</p> <p><b>Public Health</b> Nadi BAKIRCI, M.D., Ph.D, Prof. Figen DEMİR, M.D., MPH, Assist. Prof.</p> <p><b>Pulmonary Medicine</b> Çağlar ÇUHADAROĞLU, M.D., Prof. Ceyda EREL KİRİŞOĞLU, M.D., Assist. Prof.</p> <p><b>Affiliated Faculty</b> Ahmet ÇAKIROĞLU, M.D., Prof. Gülsüm ÖNAL, M.D</p>				
<b>Course Date</b>	:	<b>25.02.2014-13.06.2014</b>				
<b>Educational Methods</b>	:	Lectures, case studies, group presentations and discussions and self-directed learning sessions, field studies, projects, data analyze, case studies.				
<b>Assessment Methods</b>	:	Written examination, case analyzing, standardized evaluation of projects and performances and group presentations of assignments.				
<b>Course Aims</b>	:	<p>This course aims to create a learning opportunity for students to</p> <p><b>Medical Ethics and Humanities:</b> understand the rights of patients, responsibilities of physicians and comprehend the beginning and end of life issues</p> <p><b>Research in Health:</b> gain knowledge and skills related to planning and conducting a medical research project.</p>				

<p><b>Learning Outcomes</b></p>	<p>At the end of this course, students will;</p> <p><b><i>Medical Ethics and Humanities:</i></b></p> <ul style="list-style-type: none"> <li>• discuss and demonstrate awareness of ethical, moral and legal responsibilities of physicians involved in providing care to individual patients and communities.</li> <li>• demonstrate her/his acceptance for compassion, respect of privacy and dignity of others in their professional life</li> <li>• demonstrate her/his acceptance for non-discrimination</li> <li>• be aware of the necessity for physicians being a role model of integrity, honesty and probity</li> <li>• accept the importance of appropriate consent</li> <li>• describe patients rights and explain the context</li> <li>• explain the evolution of patients rights</li> <li>• list all articles of “regulation of patients rights” in Turkey.</li> <li>• analyze ethical and moral dilemmas and legal and psychosocial dimensions of beginning and end of life</li> </ul> <ul style="list-style-type: none"> <li>• be aware of ethical conflicts due to new medical technologies such as organ transplantation, new reproductive techniques and genetics</li> </ul> <p><b><i>Research in Health:</i></b></p> <ul style="list-style-type: none"> <li>• perform the designed study and analyze the collected data</li> <li>• present the result</li> </ul> <p><b><i>Skills related to the subject committee- Musculoskeletal System and Related Disorders:</i></b></p> <ul style="list-style-type: none"> <li>• Learn immobilizing and fixation techniques by applying braces and bandages</li> </ul> <p><b><i>Skills related to the subject committee- Respiratory System and Related Disorders:</i></b></p> <ul style="list-style-type: none"> <li>• Learn how to use a spirometer and evaluate respiratory functions by applying spirometry.</li> </ul>
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ACIBADEM  
UNIVERSITY



**YEAR 2  
FALL SEMESTER  
SCHEDULE**

SCHOOL OF MEDICINE

**21.10.2013 MONDAY**

08:30 – 09:10		
09:20 – 10:00	Introduction to the Year 2	Tanıl Kocagöz-Devrim Öz Arslan
10:10 – 10:50	Introduction to Subject Committee: Cell and Tissue - Homeostasis	Aysel Özpınar-Evren Kılınc
11:00 – 11:40	Radioactivity: the decay law	Beki Kan
11:50 – 12:30	Physical half-life, biological half life, types of radiation	Beki Kan
13:30 – 14:10	Body fluids and oedema	Mehmet Ergen
14:20 – 15:00	Body fluids and oedema	Mehmet Ergen
15:10 – 15:50	Bacterial classification; Observation of Microorganisms by Microscopy	Tanıl Kocagöz
16:00 – 16:40	Study Time	

**22.10.2013 TUESDAY**

08:30 – 09:10	Microbial Growth Cultivation of microorganisms	Sesin Kocagöz
09:20 – 10:00	Microbial Growth Cultivation of microorganisms	Sesin Kocagöz
10:10 – 10:50	CMPS-III: Research In Health	Figen Demir
11:00 – 11:40	<i>Overview of scientific research</i>	Pınar Topsever
11:50 – 12:30	<i>How to do research? An introduction to research process</i>	
13:30 – 14:10	CMPS-III: Clinical And Communication Skills	Şirin Parkan, Pınar Topsever
14:20 – 15:00	<i>Patient- centered routine investigation-I</i>	Melike Şahiner, Sabah Tüzün
15:10 – 15:50		
16:00 – 16:40	Study Time	

**23.10.2013 WEDNESDAY**

08:30 – 09:10	Introduction to immunology	Tanıl Kocagöz
09:20 – 10:00	Types of radiation	Beki Kan
10:10 – 10:50	Laboratory safety, collection and transport of specimens	Işın Akyar
11:00 – 11:40	LAB: Laboratory safety, collection and transport of specimens	Işın Akyar
11:50 – 12:30	LAB: Culturing Microorganisms	T. Kocagöz, Ö. Kurt, S. Ö. Okullu, N. A. Ünübol
13:30 – 14:10	Study Time	
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Medical English-III	
16:00 – 16:40	Medical English-III	

**24.10.2013 THURSDAY**

08:30 – 09:10	Functions of the cells and organs of the immune system	Mehmet Ergen
09:20 – 10:00	Functions of the cells and organs of the immune system	Mehmet Ergen
10:10 – 10:50	MI&BT: Laboratory Instruments	Abdurrahman Coşkun
11:00 – 11:40	MI&BT: Nucleic acid amplification	Cemaliye Akyerli Boylu
11:50 – 12:30	Antigens	Tanıl Kocagöz
13:30 – 14:10	Medical English-III	
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Elective Course-III	
16:00 – 16:40	Elective Course-III	

**25.10.2013 FRIDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Opening Ceremony	
11:00 – 11:40	Opening Ceremony	
11:50 – 12:30	Opening Ceremony	
13:30 – 14:10	Electromagnetic spectrum	Evren Kılınc
14:20 – 15:00	LAB: Culturing Microorganisms	T. Kocagöz, Ö. Kurt, S. Ö. Okullu, N. A. Ünübol
15:10 – 15:50	LAB: Microscopic Examination of Microorganisms	T. Kocagöz, Ö. Kurt, S. Ö. Okullu, N. A. Ünübol
16:00 – 16:40	Study Time	

28.10.2013 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
REPUBLIC DAY		

29.10.2013 TUESDAY		
REPUBLIC DAY		

30.10.2013 WEDNESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Innate Immunity	Tanıl Kocagöz
10:10 – 10:50	Complement System	Tanıl Kocagöz
11:00 – 11:40	Dosimetry, basic concepts	Devrim Öz Arslan
11:50 – 12:30	Interaction of radiation with matter	Devrim Öz Arslan
13:30 – 14:10	Introduction to Pathology	Ümit İnce
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Medical English-III	
16:00 – 16:40	Medical English-III	

31.10.2013 THURSDAY		
08:30 – 09:10	Biochemical aspect of cell death	Abdurrahman Coşkun
09:20 – 10:00	Biochemical aspect of cell death	Abdurrahman Coşkun
10:10 – 10:50	Adaptive Immunity	Tanıl Kocagöz
11:00 – 11:40	Adaptive Immunity	Tanıl Kocagöz
11:50 – 12:30	Introduction to pharmacology and toxicology	İsmail Hakkı Ulus
13:30 – 14:10	Medical English-III	
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Elective Course-III	
16:00 – 16:40	Elective Course-III	

01.11.2013 FRIDAY		
08:30 – 09:10	Cellular responses to stress and toxic insults; Adaptation, Injury and Death	İlker Akpolat
09:20 – 10:00	Cellular responses to stress and toxic insults; Adaptation, Injury and Death	İlker Akpolat
10:10 – 10:50	Pharmacodynamics: Principles of drug actions	İsmail Hakkı Ulus
11:00 – 11:40	Antibodies	Tanıl Kocagöz
11:50 – 12:30	Antibodies	Tanıl Kocagöz
13:30 – 14:10	Study Time	
14:20 – 16:40	MI&BT Group A: <i>Introduction to Clinical Laboratory; Laboratory Instruments</i> Group B: <i>Nucleic acid amplification</i>	Group A: A. Coşkun, O. Karatuna (Acıbadem Labmed) Group B: C. A. Boylu, T.Kocagöz, S. Ö. Okullu, N. A. Ünibol (Campus)

**04.11.2013 MONDAY**

08:30 – 09:10	Acute inflammation	Yeşim Sağlıcan
09:20 – 10:00	Chronic inflammation	Yeşim Sağlıcan
10:10 – 10:50	Molecular and radiobiological behavior	Devrim Öz Arslan
11:00 – 11:40	Effects of ionizing radiation on the cell and organism	Devrim Öz Arslan
11:50 – 12:30	Immune disorders: Hypersensitivity reactions	Onur Karatuna
13:30 – 14:10	Sterilization and disinfection	Onur Karatuna
14:20 – 15:00	Sterilization and disinfection	Onur Karatuna
15:10 – 15:50	Immunological diagnostic tools	Tanıl Kocagöz
16:00 – 16:40	Immunological diagnostic tools	Tanıl Kocagöz

**05.11.2013 TUESDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	CMPS-III: Research In Health	Figen Demir
10:10 – 10:50	<i>Formulating a research question</i>	Pınar Topsever
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	CMPS-III: Clinical and Communication Skills	Pınar Topsever, Şirin Parkan
14:20 – 15:00	<i>Patient- centered routine investigation - II</i>	Sabah Tüzün
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**06.11.2013 WEDNESDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	<b>MED 201 MID - COMMITTEE EXAMINATION</b>	
14:20 – 15:00	Study Time	
15:10 – 15:50	Medical English-III	
16:00 – 16:40	Medical English-III	
16:50 - 17:30	Medical English-III	

**07.11.2013 THURSDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Pathology of hypersensitivity reactions	Hale Kırımlıoğlu
10:10 – 10:50	Tissue renewal, repair and regeneration	İlker Akpolat
11:00 – 11:40	Tissue renewal, repair and regeneration	İlker Akpolat
11:50 – 12:30	Hemodynamic disorders, Thromboembolic disease, and Shock	İlker Akpolat
13:30 – 14:10	Medical English-III	
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Elective Course-III	
16:00 – 16:40	Elective Course-III	

**08.11.2013 FRIDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Microbial pathogenesis	Sesin Kocagöz
10:10 – 10:50	Microbial pathogenesis	Sesin Kocagöz
11:00 – 11:40	MI&BT: Electrophoresis	Tanıl Kocagöz
11:50 – 12:30	MI&BT: Electrophoresis	Tanıl Kocagöz
13:30 – 14:10	Study Time	
14:20 – 16:40	MI&BT Group B: Introduction to Clinical Laboratory; Laboratory Instruments Group A: Nucleic acid amplification	<i>Group B:</i> A. Coşkun, Ö. Kurt (Acıbadem Labmed) <i>Group A:</i> C. A. Boylu, T.Kocagöz, S. Ö. Okullu, N. A. Ünübol (Campus)

11.11.2013 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Microbial genetics	Işın Akyar
10:10 – 10:50	Microbial genetics	Işın Akyar
11:00 – 11:40	From pathology to disease-I	Pınar Topsever
11:50 – 12:30	From pathology to disease-I	Pınar Topsever
13:30 – 14:10	Pharmacokinetics: Drug absorption and distribution	Filiz Onat
14:20 – 15:00	Pharmacokinetics: Drug metabolism and elimination	Filiz Onat
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

12.11.2013 TUESDAY		
08:30 – 09:10	CMPS-III: Research in Health <i>Identifying variables</i> <i>Main types of scientific research</i> <i>Qualitative studies</i>	Figen Demir Pınar Topsever
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10	CMPS-III: Clinical and Communication Skills	Melike Şahiner, Demet Dinç Efe Onganer, Sabah Tüzün
14:20 – 15:00	<i>Physical examination-I: Introduction to methodology, evaluation of general condition of a patient</i>	
15:10 – 15:50		
16:00 – 16:40	Study Time	

13.11.2013 WEDNESDAY		
08:30 – 09:10	Autoimmune diseases and rejection of transplant	Hale Kırımlıoğlu
09:20 – 10:00	Autoimmune diseases and rejection of transplant	Hale Kırımlıoğlu
10:10 – 10:50	Pharmacodynamics: drug receptor interactions and dose-response relations	İsmail Hakkı Ulus
11:00 – 11:40	Pharmacodynamics: drug receptor interactions and dose-response relations	İsmail Hakkı Ulus
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Medical English-III	
16:00 – 16:40	Medical English-III	

14.11.2013 THURSDAY		
08:30 – 09:10	Antimicrobial agents, mechanisms of action and resistance	Tanıl Kocagöz
09:20 – 10:00	Antimicrobial agents, mechanisms of action and resistance	Tanıl Kocagöz
10:10 – 10:50	Antimicrobial agents, mechanisms of action and resistance	Tanıl Kocagöz
11:00 – 11:40	LAB: Antibiotic Susceptibility Test (Application)	T. Kocagöz, Ö. Kurt,
11:50 – 12:30	LAB: Antibiotic Susceptibility Test (Application)	S. Ö. Okullu, N. A. Ünübol
13:30 – 14:10	Medical English-III	
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Elective Course-III	
16:00 – 16:40	Elective Course-III	

15.11.2013 FRIDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Molecular imaging, basic concepts	Erkan Vardareli
10:10 – 10:50	Drug interactions	İsmail Hakkı Ulus
11:00 – 11:40	LAB: Antibiotic Susceptibility Test (Evaluation)	T. Kocagöz, Ö. Kurt, S. Ö. Okullu, N. A. Ünübol
11:50 – 12:30	MI&BT: Clinical laboratory applications: Microbiology and Molecular Microbiology	Onur Karatuna
13:30 – 14:10		
14:20 – 15:00	MI&BT : Electrophoresis	T. Kocagöz, Ö. Kurt, S. Ö. Okullu, N. A. Ünübol (Campus)
15:10 – 15:50		
16:00 – 16:40	Study Time	

**18.11.2013 MONDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	MI&BT: Clinical Laboratory Applications - Pathology	Ümit İnce
10:10 – 10:50	Immunodeficiency syndromes, Amyloid	Hale Kırmılioğlu
11:00 – 11:40	Factors affecting drug actions	İsmail Hakkı Ulus
11:50 – 12:30	Pharmacogenetics: receptors, transporters and enzymes polymorphisms	İsmail Hakkı Ulus
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**19.11.2013 TUESDAY**

08:30 – 09:10		
09:20 – 10:00	CMPS-III: Clinical and Communication Skills	İkbal Aydınöz Pınar Topsever
10:10 – 10:50		Demet Dinç
11:00 – 11:40	<i>Physical examination-II: Head-neck and lymphatic system</i>	Sabah Tüzün
11:50 – 12:30		
13:30 – 14:10		Ceyda Erel Kirişoğlu
14:20 – 15:00	CMPS-III: Clinical and Communication Skills	Şirin Parkan
15:10 – 15:50		Melike Şahiner
16:00 – 17:40	<i>Physical examination-III: Respiratory system</i>	Sabah Tüzün

**20.11.2013 WEDNESDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**21.11.2013 THURSDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**22.11.2013 FRIDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

25.11.2013 MONDAY

MED 201 SUBJECT COMMITTEE EXAMINATION

26.11.2013 TUESDAY

08:30 – 09:10	Study Time	
09:20 – 10:00		
10:10 – 10:50	CMPS-III: Research In Health	Figen Demir
11:00 – 11:40	<i>Cohort and case-control studies</i>	Pınar Topsever
11:50 – 12:30		
13:30 – 14:10		Ayçe Atalay
14:20 – 15:00	CMPS III: Clinical and Communication Skills	Pınar Topsever
15:10 – 15:50	<i>Physical examination-IV: Cardiovascular System</i>	Şirin Parkan
16:00 – 17:30		Sabah Tüzün

27.11.2013 WEDNESDAY

08:30 – 09:10	Introduction to Subject Committee : Cell and Tissue: Infection and Neoplasia	Özgür Kurt-Özge Can
09:20 – 10:00	Gram positive cocci	Sesin Kocagöz
10:10 – 10:50	Gram positive cocci	Sesin Kocagöz
11:00 – 11:40	Gram positive cocci	Sesin Kocagöz
11:50 – 12:30	Gram negative cocci	Hülya Kuşoğlu
13:30 – 14:10		
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Medical English-III	
16:00 – 16:40	Medical English-III	

28.11.2013 THURSDAY

08:30 – 09:10	Prostaglandins	Abdurrahman Coşkun
09:20 – 10:00	Prostaglandins	Abdurrahman Coşkun
10:10 – 10:50		Sesin Kocagöz, Tanıl Kocagöz,
11:00 – 11:40	LAB: Identification of gram positive cocci	Özgür Kurt, Sinem Öktem
11:50 – 12:30		Okullu, Nihan Aytakin Ünübol
13:30 – 14:10	Medical English-III	
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Elective Course-III	
16:00 – 16:40	Elective Course-III	

29.11.2013 FRIDAY

08:30 – 09:10	Neisseria, Haemophilus	Işın Akyar
09:20 – 10:00	Bordetella, Legionella	Işın Akyar
10:10 – 10:50	HACEK	Işın Akyar
11:00 – 11:40	LAB: Identification of gram negative cocci	T. Kocagöz, Ö. Kurt, S. Ö.
11:50 – 12:30		Okullu, N. A. Ünübol
13:30 – 14:10	Study Time	
14:20 – 16:40	MI&BT: Clinical laboratory applications <i>Group A: Microbiology and Molecular Microbiology Group B: Pathology</i>	Group A: Onur Karatuna, Tanıl Kocagöz Group B: Ümit İnce

02.12.2013 MONDAY		
08:30 – 09:10	Gram positive aerobic bacilli	Hülya Kuşoğlu
09:20 – 10:00	Gram positive aerobic bacilli	Hülya Kuşoğlu
10:10 – 10:50	General principles of antimicrobial therapy	İsmail Hakkı Ulus
11:00 – 11:40	Sulfonamids, trimethoprim-sulfamethoxazole and quinolones	İsmail Hakkı Ulus
11:50 – 12:30		
13:30 – 14:10	Heat and temperature and heat transfer	Beki Kan
14:20 – 15:00	Temperature transducers, thermography	Beki Kan
15:10 – 15:50	Enteric Gram negative bacilli	Sesin Kocagöz
16:00 – 16:40	Enteric Gram negative bacilli	Sesin Kocagöz
03.12.2013 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	CMPS-III: Research In Health	
10:10 – 10:50	<i>Cross-sectional studies</i>	İsmail Hakkı Ulus
11:00 – 11:40	<i>Experimental studies</i>	Melike Şahiner
11:50 – 12:30	<i>Clinical and drug research</i>	Figen Demir
11:50 – 12:30	<i>Animal studies</i>	
13:30 – 14:10		Eser Vardareli
14:20 – 15:00	CMPS-III: Clinical And Communication Skills	Efe Onganer
15:10 – 15:50	<i>Physical examination-V: Gastrointestinal System and Breast</i>	Demet Dinç
16:00 – 17:30		Sabah Tüzün
04.12.2013 WEDNESDAY		
08:30 – 09:10	Non fermenters	Onur Karatuna
09:20 – 10:00	LAB: Enteric Gram negative bacilli	S.Kocagöz, T. Kocagöz, Ö. Kurt, O. Karatuna, S. Ö. Okullu, N. A. Ünübol
10:10 – 10:50	Anaerobic bacteria	Sesin Kocagöz
11:00 – 11:40	Anaerobic bacteria	Sesin Kocagöz
11:50 – 12:30		
13:30 – 14:10	Penicillins, cephalosporins and other beta-lactam antibiotics	Filiz Onat
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Medical English-III	
16:00 – 16:40	Medical English-III	
05.12.2013 THURSDAY		
08:30 – 09:10	Brucella	Tanıl Kocagöz
09:20 – 10:00	Thermoregulatory functions of the hypothalamus	Melike Şahiner
10:10 – 10:50	Thermoregulatory functions of the hypothalamus	Melike Şahiner
11:00 – 11:40	LAB: Anaerobic bacteria	S.Kocagöz, T. Kocagöz, Ö. Kurt, O. Karatuna, S. Ö. Okullu, N. A. Ünübol
11:50 – 12:30		
13:30 – 14:10	Medical English-III	
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Elective Course-III	
16:00 – 16:40	Elective Course-III	
06.12.2013 FRIDAY		
08:30 – 09:10	General pathology and tissue responses to infections	Hale Kırımlıoğlu
09:20 – 10:00	General pathology and tissue responses to infections	Hale Kırımlıoğlu
10:10 – 10:50	Aminoglycosides	İsmail Hakkı Ulus
11:00 – 11:40	Yersinia, Francisella,	Işın Akyar
11:50 – 12:30	Pasteurella, Vibrio	Işın Akyar
13:30 – 14:10	Study Time	
14:20 – 16:40	MI&BT: Clinical laboratory applications <i>Group B: Microbiology and Molecular Microbiology</i> <i>Group A: Pathology</i>	<i>Group B: O. Karatuna, T.Kocagöz,</i> <i>Group A: Ü. Ince</i>

09.12.2013 MONDAY		
08:30 – 09:10	Neoplasia-1: Introduction to Nomenclature	Ümit İnce
09:20 – 10:00	Neoplasia-2: Characteristics of benign and malignant neoplasms (Part-1)	Ümit İnce
10:10 – 10:50	Application of heat and cold in medicine	Beki Kan
11:00 – 11:40	Epidemiology of infectious diseases	Figen Demir
11:50 – 12:30	Bioarray	Sinan Fındık
13:30 – 14:10	Bioarray	Sinan Fındık
14:20 – 15:00	Bioarray	Sinan Fındık
15:10 – 15:50	Protein synthesis inhibitors and miscellaneous antimicrobial agents	Filiz Onat
16:00 – 16:40	Cancer Chemotherapeutics	Filiz Onat
10.12.2013 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	CMPS-III: Research In Health	Figen Demir
10:10 – 10:50	<i>Data collection methods and tools</i>	Pınar Topsever
11:00 – 11:40	<i>Designing a questionnaire</i>	
11:50 – 12:30	<i>Planning data collection</i>	
13:30 – 14:10	CMPS III: Clinical and Communication Skills	Efe Onganer
14:20 – 15:00	<i>Communicating with colleagues and others - Communicating with the community</i>	Demet Dinç, Şirin Parkan
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	
11.12.2013 WEDNESDAY		
08:30 – 09:10		
09:20 – 10:00	CMPS-III: Skills Related to the Subject Committee	Onur Karatuna, Hülya Kuşoğlu
10:10 – 10:50	<i>Disinfection and decontamination</i>	
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10	Campylobacter, Helicobacter	Hülya Kuşoğlu
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Medical English-III	
16:00 – 16:40	Medical English-III	
12.12.2013 THURSDAY		
08:30 – 09:10	Cancer Chemotherapeutics	Filiz Onat
09:20 – 10:00	Cancer Chemotherapeutics	Filiz Onat
10:10 – 10:50	Cancer Chemotherapeutics	Filiz Onat
11:00 – 11:40	Neoplasia-3: Characteristics of benign and malignant neoplasms (Part-2)	Ümit İnce
11:50 – 12:30	Neoplasia-4 : Molecular basis of cancer (Part-1)	Ümit İnce
13:30 – 14:10	Medical English-III	
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Elective Course-III	
16:00 – 16:40	Elective Course-III	
13.12.2013 FRIDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	<b>MED 203 MID- COMMITTEE EXAMINATION</b>	
10:10 – 10:50		
11:00 – 11:40	Mycobacteria, Nocardia and Actinomycetes	Tanıl Kocagöz
11:50 – 12:30	Mycobacteria, Nocardia and Actinomycetes	Tanıl Kocagöz
13:30 – 14:10	Mycobacteria, Nocardia and Actinomycetes	Tanıl Kocagöz
14:20 – 15:00		
15:10 – 15:50	Cancer and Genomic Microarrays	Sinan Fındık
16:00 – 16:40		

16.12.2013 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Spirochetes	Onur Karatuna
10:10 – 10:50	Spirochetes	Onur Karatuna
11:00 – 11:40	Mycoplasma, Chlamydia, Rickettsiae	Işın Akyar
11:50 – 12:30	Mycoplasma, Chlamydia, Rickettsiae	Işın Akyar
13:30 – 14:10	Cancer Epidemiology and Etiology	Figen Demir
14:20 – 15:00	DNA viruses	Tanıl Kocagöz
15:10 – 15:50	DNA viruses	Tanıl Kocagöz
16:00 – 16:40	MI&BT: Experiment Design / Plan	Sinan Fındık
17.12.2013 TUESDAY		
08:30 – 09:10	MI&BT: Clinical laboratory applications: Biochemistry and Hematology	Meltem Kilercik
09:20 – 10:00	MI&BT: Experiment Design / Plan	Sinan Fındık
10:10 – 10:50	CMPS-III: Research In Health	Yeşim Ülman
11:00 – 11:40	<i>Research ethics</i>	Figen Demir
11:50 – 12:30	<i>Writing a research proposal</i>	
13:30 – 14:10		
14:20 – 15:00	LAB: Identification of Mycobacteria, Nocardia and Actinomycetes	T. Kocagöz, Ö. Kurt, S. Ö. Okullu, N. A. Ünübol
15:10 – 15:50		
16:00 – 16:40		
18.12.2013 WEDNESDAY		
08:30 – 09:10	DNA viruses	Tanıl Kocagöz
09:20 – 10:00	DNA viruses	Tanıl Kocagöz
10:10 – 10:50	RNA viruses	Sesin Kocagöz
11:00 – 11:40	RNA viruses	Sesin Kocagöz
11:50 – 12:30	MI&BT: From molecules and diseases	Sinan Fındık
13:30 – 14:10	Protozoa	Özgür Kurt
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Medical English-III	
16:00 – 16:40	Medical English-III	
19.12.2013 THURSDAY		
08:30 – 09:10	Yeast and Moulds	Onur Karatuna
09:20 – 10:00	Yeast and Moulds	Onur Karatuna
10:10 – 10:50	Yeast and Moulds	Onur Karatuna
11:00 – 11:40	Protozoa	Özgür Kurt
11:50 – 12:30	Protozoa	Özgür Kurt
13:30 – 14:10	Medical English-III	
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Elective Course-III	
16:00 – 16:40	Elective Course-III	
20.12.2013 FRIDAY		
08:30 – 09:10	RNA viruses	Sesin Kocagöz
09:20 – 10:00	RNA viruses	Sesin Kocagöz
10:10 – 10:50	Mechanisms of Neoplasie and Tumor Markers	İbrahim Ünsal
11:00 – 11:40	Mechanisms of Neoplasie and Tumor Markers	İbrahim Ünsal
11:50 – 12:30	Chemotherapy of tuberculosis and leprosy	İsmail Hakkı Ulus
13:30 – 14:10		
14:20 – 15:00		
15:10 – 15:50	OMIM- A directory of human Genes and genetic disorders	Sinan Fındık
16:00 – 16:40		

23.12.2013 MONDAY		
08:30 – 09:10	Slow viruses and prions	Hülya Kuşoğlu
09:20 – 10:00	Oncogenic viruses	Tanıl Kocagöz
10:10 – 10:50	Neoplasia 5: Molecular Basis of Cancer (Part-2)	Ümit İnce
11:00 – 11:40	Neoplasia 6: Molecular Basis of Cancer (Part-3)	Ümit İnce
11:50 – 12:30	International classification of functionality	Efe Onganer
13:30 – 14:10	Study Time	Sinan Fındık
14:20 – 15:00	Study Time	
15:10 – 15:50	<b>CMPS III MID- COMMITTEE EXAMINATION</b>	
16:00 – 16:40		

24.12.2013 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Helminthes	Özgür Kurt
10:10 – 10:50	Helminthes	Özgür Kurt
11:00 – 11:40	Helminthes	Özgür Kurt
11:50 – 12:30	Immunity to infection	Tanıl Kocagöz
13:30 – 14:10	CMPS-III: Health and Society	Figen Demir
14:20 – 15:00	<i>Health promotion and disease prevention</i>	Pınar Topsever
15:10 – 15:50	<i>Analyzing a health promotion project</i>	
16:00 – 16:40	Study Time	

25.12.2013 WEDNESDAY		
08:30 – 09:10	MI&BT: Clinical Laboratory Applications: Genetics	Cengiz Yakıcıer
09:20 – 10:00	Arthropods	Özgür Kurt
10:10 – 10:50	Arthropods	Özgür Kurt
11:00 – 11:40	LAB: Identification of fungi	T. Kocagöz, Ö.Kurt, S. Ö. Okullu, N. A. Ünübol
11:50 – 12:30		
13:30 – 14:10		
14:20 – 15:00	Pharmacogenomics	Sinan Fındık
15:10 – 15:50		
16:00 – 16:40		

26.12.2013 THURSDAY		
08:30 – 09:10	Neoplasia-7: Molecular basis of cancer (Part-4)	Ümit İnce
09:20 – 10:00	Neoplasia-8: Molecular basis of cancer (Part-5)	Ümit İnce
10:10 – 10:50	LAB: Protozoa	Özgür Kurt
11:00 – 11:40	LAB: Protozoa	Özgür Kurt
11:50 – 12:30	Cancer Prevention (periodical health examination and screening)	Pınar Topsever
13:30 – 14:10	The NCBI Bookshelf: Searchable Biomedical Books	Sinan Fındık
14:20 – 15:00	The NCBI Bookshelf: Searchable Biomedical Books	Sinan Fındık
15:10 – 15:50	Elective Course-III	
16:00 – 16:40	Elective Course-III	

27.12.2013 FRIDAY		
08:30 – 09:10	Antiviral agents	İsmail Hakkı Ulus
09:20 – 10:00	Antifungal agents	İsmail Hakkı Ulus
10:10 – 10:50	Neoplasia-9: Molecular basis of cancer (Part-6)	Ümit İnce
11:00 – 11:40	LAB: Helminthes	T. Kocagöz, Ö.Kurt, S. Ö. Okullu, N. A. Ünübol
11:50 – 12:30		
13:30 – 14:10	Study Time	
14:20 – 16:40	<i>Group A: Clinical Laboratory Applications: Genetics</i> <i>Group B: Clinical Laboratory Applications: Biochemistry and Hematology</i>	<i>Group A: Cengiz Yakıcıer (Acıbadem Labmed)</i> <i>Group B: Meltem Kilercik, Abrurrahman Coşkun (Acıbadem Labmed)</i>

30.12.2013 MONDAY		
08:30 – 09:10	Arthropods	Özgür Kurt
09:20 – 10:00	Chemotherapy of parasitic (protozoa and helminth) infections	İsmail Hakkı Ulus
10:10 – 10:50	Chemotherapy of parasitic (protozoa and helminth) infections	İsmail Hakkı Ulus
11:00 – 11:40	LAB: Arthropods	T. Kocagöz, Ö.Kurt, S. Ö.
11:50 – 12:30	LAB: Arthropods	Okullu, N. A. Ünübol
13:30 – 14:10		
14:20 – 15:00	Protein Structure Prediction	Sinan Fındık
15:10 – 15:50		
16:00 – 16:40		

31.12.2013 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00		
10:10 – 10:50	CMPS III: Health and Society	İnci User Yeşim Yasin
11:00 – 11:40	<i>Health and Illness Behavior</i>	
11:50 – 12:30		
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

01.01.2014 WEDNESDAY		
	<b>HOLIDAY</b>	

02.01.2014 THURSDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

03.01.2014 FRIDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

06.01.2014 MONDAY

MED 203 SUBJECT COMMITTEE PRACTICAL AND THEORETICAL EXAMINATION

07.01.2014 TUESDAY

08:30 – 09:10		
09:20 – 10:00		
10:10 – 10:50	CMPS-III: Research in Health	Research Supervisors
11:00 – 11:40	<i>Research proposal presentations</i>	
11:50 – 12:30		
13:30 – 14:10		
14:20 – 15:00	CMPS-III: Research in Health	Research Supervisors
15:10 – 15:50	<i>Research proposal presentations</i>	
16:00 – 16:40		

08.01.2014 WEDNESDAY

08:30 – 09:10	Introduction to Subject Committee: Hematopoietic System and Related Disorders	Cemaliye Akyerli Boylu- Ant Uzay
09:20 – 10:00	Anatomy of Lymphatic System	Alp Bayramoğlu
10:10 – 10:50	Histology of the Lymphatic Organs	Serap Arbak
11:00 – 11:40	Histology of the Lymphatic Organs	Serap Arbak
11:50 – 12:30	Study Time	
13:30 – 14:10		
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Medical English-III	
16:00 – 16:40	Medical English-III	

09.01.2014 THURSDAY

08:30 – 09:10	Study Time	
09:20 – 10:00	Infections of blood and tissue parasites	Özgür Kurt
10:10 – 10:50	Infections of blood and tissue parasites	Özgür Kurt
11:00 – 11:40	Interactive Module	
11:50 – 12:30	Interactive Module	
13:30 – 14:10	Medical English-III	
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Elective Course-III	
16:00 – 16:40	Elective Course-III	

10.01.2014 FRIDAY

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Histology of Blood Cells	Deniz Yücel
11:00 – 11:40	LAB: Anatomy of Lymphatic System_Group A	Alp Bayramoğlu-Elif Keskinöz
11:50 – 12:30	LAB: Anatomy of Lymphatic System_Group B	Alp Bayramoğlu-Elif Keskinöz
13:30 – 14:10	Study Time	
14:20 – 16:40	Group B: Clinical Laboratory Applications: Genetics Group A: Clinical laboratory applications: Biochemistry and Hematology	Group B: Cengiz Yakıcıer (Acıbadem Labmed) Group A: Meltem Kilercik, Abdurrahman Coşkun (Acıbadem Labmed)

13.01.2014 MONDAY		
08:30 – 09:10	Functions of the Erythrocytes	Meltem Kolgazi
09:20 – 10:00	Biochemical features of blood cells	Abdurrahman Coşkun
10:10 – 10:50	Biochemical features of blood cells	Abdurrahman Coşkun
11:00 – 11:40	Infections of blood and tissue parasites	Özgür Kurt
11:50 – 12:30	Infections of blood and tissue parasites	Özgür Kurt
13:30 – 14:10	LAB: Histology of Lymphatic Organs Blood Cells_Group A	Deniz Yücel
14:20 – 15:00	LAB: Histology of Lymphatic Organs Blood Cells_Group A	Deniz Yücel
15:10 – 15:50	LAB: Histology of Lymphatic Organs Blood Cells_Group B	Deniz Yücel
16:00 – 16:40	LAB: Histology of Lymphatic Organs Blood Cells_Group B	Deniz Yücel

14.01.2014 TUESDAY		
08:30 – 09:10		
09:20 – 10:00	CMPS-III: Skills related to subject committee <i>IM and IV injection</i>	Ükke Karabacak
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10		
14:20 – 15:00	CMPS-III: Skills related to subject committee <i>IM and IV injection</i>	Ükke Karabacak
15:10 – 15:50		
16:00 – 16:40		

15.01.2014 WEDNESDAY		
08:30 – 09:10	Blood groups	Meltem Kolgazi
09:20 – 10:00	LAB: Blood Groups	Meltem Kolgazi
10:10 – 10:50	LAB: Blood Groups	Meltem Kolgazi
11:00 – 11:40	Hematopoiesis	Deniz Yücel
11:50 – 12:30	Development of the Lymphatic Organs	Serap Arbak
13:30 – 14:10		
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Medical English-III	
16:00 – 16:40	Medical English-III	

16.01.2014 THURSDAY		
08:30 – 09:10	Metabolism of oxygen binding proteins	Abdurrahman Coşkun
09:20 – 10:00	Metabolism of oxygen binding proteins	Abdurrahman Coşkun
10:10 – 10:50	Functions of Platelets	Meltem Kolgazi
11:00 – 11:40	Interactive Module	
11:50 – 12:30	Interactive Module	
13:30 – 14:10	Medical English-III	
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Elective Course-III	
16:00 – 16:40	Elective Course-III	

17.01.2014 FRIDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Mechanisms of coagulation and fibrinolysis	Meltem Kolgazi
10:10 – 10:50	Mechanisms of coagulation and fibrinolysis	Meltem Kolgazi
11:00 – 11:40	Hematopoetics drugs: Growth factors, minerals and vitamins	İsmail Hakkı Ulus
11:50 – 12:30	Hematopoetics drugs: Growth factors, minerals and vitamins	İsmail Hakkı Ulus
13:30 – 14:10	CMPS-III: Health and Society	Figen Demir
14:20 – 15:00	<i>WORKSHOP: Health promotion and disease prevention</i>	Pınar Topsever
15:10 – 15:50		
16:00 – 16:40		

20.01.2014 MONDAY		
08:30 – 09:10	Lymphoreticular system infections PART I	Sesin Kocagöz
09:20 – 10:00	Lymphoreticular system infections PART II	Sesin Kocagöz
10:10 – 10:50	Hematopoetics drugs: Growth factors, minerals and vitamins	İsmail Hakkı Ulus
11:00 – 11:40	Hemostasis and thrombosis	Özge Can
11:50 – 12:30	Hemostasis and thrombosis	Özge Can
13:30 – 14:10	Pathology of lymphatic nodule and spleen	Ümit İnce
14:20 – 15:00	Pathology of lymphatic nodule and spleen	Ümit İnce
15:10 – 15:50	Cytokines	Abdurrahman Coşkun
16:00 – 16:40	Cytokines	Abdurrahman Coşkun

21.01.2014 TUESDAY		
08:30 – 09:10	Megaloblastic anemia	Siret Ratip
09:20 – 10:00	Sickle cell anemia	Siret Ratip
10:10 – 10:50	Lymphoreticular system infections PART III	Sesin Kocagöz
11:00 – 11:40	Lymphoreticular system infections PART IV	Sesin Kocagöz
11:50 – 12:30		
13:30 – 14:10	CMPS-III: Health and Society <i>Site visit Health promotion and prevention / PHC level</i>	Nadi Bakırcı, Figen Demir, Pınar Topsever, Demet Dinç, Şirin Parkan,
14:20 – 15:00		
15:10 – 15:50		
16:00 – 16:40		

22.01.2014 WEDNESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	<b>MED 205 MID- COMMITTEE EXAMINATION</b>	
11:50 – 12:30		
13:30 – 14:10	Study Time	
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Medical English-III	
16:00 – 16:40	Medical English-III	

23.01.2014 THURSDAY		
08:30 – 09:10	Pathology of lymphatic nodule and spleen	Ümit İnce
09:20 – 10:00	Pathology of lymphatic nodule and spleen	Ümit İnce
10:10 – 10:50	Pathology of lymphatic nodule and spleen	Ümit İnce
11:00 – 11:40	Interactive Module	
11:50 – 12:30	Interactive Module	
13:30 – 14:10	Medical English-III	
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Elective Course-III	
16:00 – 16:40	Elective Course-III	

24.01.2014 FRIDAY		
08:30 – 09:10	Approach to a patient with bleeding disorder	Siret Ratip
09:20 – 10:00	Thrombophilia and deep venous thrombosis	Siret Ratip
10:10 – 10:50	Approach to a patient with anemia	Ertuğrul Eryılmaz
11:00 – 11:40	Mechanisms of major anemias	Abdurrahman Coşkun
11:50 – 12:30	Mechanisms of major anemias	Abdurrahman Coşkun
13:30 – 14:10		
14:20 – 15:00	CMPS III: Skills related to subject committee	Güldal Süyen
15:10 – 15:50	<i>Blood Smear</i>	
16:00 – 16:40		

27.01.2014 MONDAY		
08:30 – 09:10	Non immune hemolytic anemia	Ebru Tuğrul Sarıbeyoğlu
09:20 – 10:00	Immune hemolytic anemia and hemolytic disease of newborn	Ebru Tuğrul Sarıbeyoğlu
10:10 – 10:50	Clinical aspects of blood transfusion	Ebru Tuğrul Sarıbeyoğlu
11:00 – 11:40	Hodgkin Lymphoma	Ertuğrul Eryılmaz
11:50 – 12:30	Non-Hodgkin Lymphoma	Ertuğrul Eryılmaz
13:30 – 14:10	Anticoagulants, thrombolytics and antiplatelet drugs	Filiz Onat
14:20 – 15:00	Anticoagulants, thrombolytics and antiplatelet drugs	Filiz Onat
15:10 – 15:50	Pathology of bone marrow	Ümit İnce
16:00 – 16:40	Pathology of bone marrow	Ümit İnce

28.01.2014 TUESDAY		
08:30 – 09:10	Pathology of bone marrow	Ümit İnce
09:20 – 10:00	Pathology of bone marrow	Ümit İnce
10:10 – 10:50	CMPS III: Health and Society: <i>Environment, work and health</i>	Nadi Bakırcı
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	CMPS-III: Health and Society	Nadi Bakırcı, Figen Demir,
14:20 – 15:00	<i>Site visit: Environment, work and health</i>	Pınar Topsever, Şirin Parkan,
15:10 – 15:50		Yeşim Ülman, Fatih Artvinli
16:00 – 16:40	Study Time	

29.01.2014 WEDNESDAY		
08:30 – 09:10	Myelodysplastic Syndrome	Ant Uzay
09:20 – 10:00	Myeloproliferative Diseases	Ant Uzay
10:10 – 10:50	Hemophilia	Ertuğrul Eryılmaz
11:00 – 11:40	Immunosuppressants, Immunotolerogens and Immunostimulants	Filiz Onat
11:50 – 12:30	Immunosuppressants, Immunotolerogens and Immunostimulants	Filiz Onat
13:30 – 14:10	Clinical presentation of hematopoietic system disorders common in primary care	Demet Dinç
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Medical English-III	
16:00 – 16:40	Medical English-III	

30.01.2014 THURSDAY		
08:30 – 09:10	Chronic Myeloid Leukemia	Siret Ratip
09:20 – 10:00	Thrombocytopenia	Cengiz Canpolat
10:10 – 10:50	Acute leukemia	Cengiz Canpolat
11:00 – 11:40	Interactive Module	
11:50 – 12:30	Interactive Module	
13:30 – 14:10	Medical English-III	
14:20 – 15:00	Medical English-III	
15:10 – 15:50	Elective Course-III	
16:00 – 16:40	Elective Course-III	

31.01.2014 FRIDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Molecular basis of hemoglobinopathies	Cengiz Yakıcıer
10:10 – 10:50	Molecular basis of hemoglobinopathies	Cengiz Yakıcıer
11:00 – 11:40	Molecular basis of hematological malignancies	Cemaliye Akyerli Boylu
11:50 – 12:30	Molecular basis of hematological malignancies	Cemaliye Akyerli Boylu
13:30 – 14:10		
14:20 – 15:00	CMPS-III: Skills related to subject committee	Güldal Süyen
15:10 – 15:50	<i>Sedimentation, Hb-Htc</i>	
16:00 – 16:40		

03.02.2014 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

04.02.2014 TUESDAY		
08:30 – 09:10	<b>MED 207 CMPS-IV SUBJECT COMMITTEE EXAMINATION</b>	
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10		
14:20 – 15:00		
15:10 – 15:50		
16:00 – 16:40		

05.02.2014 WEDNESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

06.02.2014 THURSDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

07.02.2014 FRIDAY		
08:30 – 09:10	<b>MED 205 SUBJECT COMMITTEE PRACTICAL AND THEORETICAL EXAMINATION</b>	
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10		
14:20 – 15:00		
15:10 – 15:50		
16:00 – 16:40		



ACIBADEM  
UNIVERSITY



**YEAR 2  
SPRING  
SEMESTER  
SCHEDULE**

SCHOOL OF MEDICINE

**24.02.2014 MONDAY**

08:30 – 09:10	Introduction to Subject Committee: Musculoskeletal System and Related Disorders	Abdurrahman Coşkun-Burak Beksaç
09:20 – 10:00	Histology of bone, cartilage, skeletal muscle and skin	Deniz Yücel
10:10 – 10:50	Histology of bone, cartilage, skeletal muscle and skin	Deniz Yücel
11:00 – 11:40	MI&BT: Physical Principles of X-Ray Radiography	Beki Kan
11:50 – 12:30	Study Time	
13:30 – 14:10	Superficial back	Alp Bayramoğlu
14:20 – 15:00	Superficial back	Alp Bayramoğlu
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**25.02.2014 TUESDAY**

08:30 – 09:10	Pectoral region, breast shoulder region, shoulder joint	Elif Keskinöz
09:20 – 10:00	Pectoral region, breast shoulder region, shoulder joint	Elif Keskinöz
10:10 – 10:50	Biophysics of muscle contraction	Beki Kan
11:00 – 11:40	Biophysics of muscle contraction	Beki Kan
11:50 – 12:30	Study Time	
13:30 – 14:10	Development of skeletal system	Serap Arbak
14:20 – 15:00	Development of skeletal system	Serap Arbak
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**26.02.2014 WEDNESDAY**

08:30 – 09:10	Muscle energy metabolism and contraction	Mustafa Serteser
09:20 – 10:00	LAB: Superficial back and Pectoral region, breast shoulder region, shoulder ... _Group A	Alp Bayramoğlu –Elif Keskinöz
10:10 – 10:50	LAB: Superficial back and Pectoral region, breast shoulder region, shoulder ... _Group A	Alp Bayramoğlu- Elif Keskinöz
11:00 – 11:40	LAB: Superficial back and Pectoral region, breast shoulder region, shoulder ... _Group B	Alp Bayramoğlu-Elif Keskinöz
11:50 – 12:30	LAB: Superficial back and Pectoral region, breast shoulder region, shoulder ... _Group B	Alp Bayramoğlu- Elif Keskinöz
13:30 – 14:10	Study Time	
14:20 – 15:00	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo
15:10 – 15:50	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo
16:00 – 16:40	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo

**27.02.2014 THURSDAY**

08:30 – 09:10	Physiology of muscle contraction	Melike Şahiner
09:20 – 10:00	Smooth muscle	Melike Şahiner
10:10 – 10:50	Axillary region	Alp Bayramoğlu
11:00 – 11:40	Upper arm	Alp Bayramoğlu
11:50 – 12:30	Study Time	
13:30 – 14:10	Development of head and neck	Serap Arbak
14:20 – 15:00	Development of head and neck	Serap Arbak
15:10 – 15:50	Elective Course-IV	
16:00 – 16:40	Elective Course-IV	

**28.02.2014 FRIDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Bioenergetics of muscle contraction	Beki Kan
10:10 – 10:50	Bioenergetics of muscle contraction	Beki Kan
11:00 – 11:40	Posterior aspect of the forearm	Elif Keskinöz
11:50 – 12:30	Anterior aspect of the forearm	Elif Keskinöz
13:30 – 14:10		
14:20 – 15:00	Intro to ChEBI	Sinan Fındık
15:10 – 15:50		
16:00 – 16:40	Study Time	

03.03.2014 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Clinical Information Systems	
10:10 – 10:50	Clinical Information Systems	
11:00 – 11:40	Regulation and control of muscle contraction	Melike Şahiner
11:50 – 12:30	Regulation and control of muscle contraction	Melike Şahiner
13:30 – 14:10	LAB: Axillary region and upper arm_Group A	Alp Bayramoğlu-Elif Keskinöz
14:20 – 15:00	LAB: Axillary region and upper arm_Group A	Alp Bayramoğlu-Elif Keskinöz
15:10 – 15:50	LAB: Axillary region and upper arm_Group B	Alp Bayramoğlu-Elif Keskinöz
16:00 – 16:40	LAB: Axillary region and upper arm_Group B	Alp Bayramoğlu- Elif Keskinöz

04.03.2014 TUESDAY		
08:30 – 09:10	CMPS-IV: Research in Health <i>DATA COLLECTION</i>	Research Supervisors
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10		
14:20 – 15:00		
15:10 – 15:50		
16:00 – 16:40		

05.03.2014 WEDNESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Radiologic anatomy of the musculoskeletal system	Ercan Karaarslan
11:00 – 11:40	Clinical Information Systems	Gürdal Şahin
11:50 – 12:30	Clinical Information Systems	Gürdal Şahin
13:30 – 14:10	Searching and Browsing ChEBI	Sinan Fındık
14:20 – 15:00		
15:10 – 15:50		
16:00 – 16:40		

06.03.2014 THURSDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Elbow joint & cubital fossa	Elif Keskinöz
11:00 – 11:40	Brachial plexus	Alp Bayramoğlu
11:50 – 12:30	Brachial plexus	Alp Bayramoğlu
13:30 – 14:10	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
14:20 – 15:00	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
15:10 – 15:50	Elective Course-IV	
16:00 – 16:40	Elective Course-IV	

07.03.2014 FRIDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	LAB: Posterior and anterior aspect of the forearm and Brachial Plexus_Group B	Alp Bayramoğlu -Elif Keskinöz
10:10 – 10:50	LAB: Posterior and anterior aspect of the forearm and Brachial Plexus_Group B	Alp Bayramoğlu -Elif Keskinöz
11:00 – 11:40	LAB: Posterior and anterior aspect of the forearm and Brachial Plexus_Group A	Alp Bayramoğlu -Elif Keskinöz
11:50 – 12:30	LAB: Posterior and anterior aspect of the forearm and Brachial Plexus_Group A	Alp Bayramoğlu -Elif Keskinöz
13:30 – 14:10	Ontologies in Bioinformatics	Sinan Fındık
14:20 – 15:00		
15:10 – 15:50		
16:00 – 16:40		

**10.03.2014 MONDAY**

08:30 – 09:10	Calcium and bone metabolism	Aysel Özpınar
09:20 – 10:00	Calcium and bone metabolism	Aysel Özpınar
10:10 – 10:50	Hand	Elif Keskinöz
11:00 – 11:40	Hand	Elif Keskinöz
11:50 – 12:30	Hand	Elif Keskinöz
13:30 – 14:10	Muscle relaxants	İsmail Hakkı Ulus
14:20 – 15:00	Coding, Classification Systems	Gürdal Şahin
15:10 – 15:50	Quality Principles for Medical Systems	Gürdal Şahin
16:00 – 16:40		

**11.03.2014 TUESDAY**

08:30 – 09:10	CMPS-IV: Research in Health <i>DATA COLLECTION</i>	Research Supervisors
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10		
14:20 – 15:00		
15:10 – 15:50		
16:00 – 16:40		

**12.03.2014 WEDNESDAY**

08:30 – 09:10	The neck	Alp Bayramoğlu
09:20 – 10:00	Muscular triangles of the neck	Alp Bayramoğlu
10:10 – 10:50	Temporal region	Elif Keskinöz
11:00 – 11:40	Gravity, equilibrium, torque	Evren Kılınç
11:50 – 12:30	Equilibrium of the body	Evren Kılınç
13:30 – 14:10	Study Time	
14:20 – 15:00	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
15:10 – 15:50	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
16:00 – 16:40	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo

**13.03.2014 THURSDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Superficial structures of the face	Alp Bayramoğlu
10:10 – 10:50	Pterygopalatal fossa	Elif Keskinöz
11:00 – 11:40	Agents affecting mineral ion homeostasis and bone turnover	İsmail Hakkı Ulus
11:50 – 12:30	Agents affecting mineral ion homeostasis and bone turnover	İsmail Hakkı Ulus
13:30 – 14:10	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
14:20 – 15:00	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
15:10 – 15:50	Elective Course-IV	
16:00 – 16:40	Elective Course-IV	

**14.03.2014 FRIDAY**

<b>March 14 Physician's Day</b>		
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17.03.2014 MONDAY		
08:30 – 09:10	Fractures, general principles (different properties of pediatric fractures)	Vuslat Sema Ünal
09:20 – 10:00	Degenerative joint disease	Zeynep Güven
10:10 – 10:50	Low back pain	Zeynep Güven
11:00 – 11:40	Browsing Genomes with Ensemble	Sinan Fındık
11:50 – 12:30	Browsing Genomes with Ensemble	Sinan Fındık
13:30 – 14:10	LAB: Hand and The neck _Group A	Alp Bayramoğlu -Elif Keskinöz
14:20 – 15:00	LAB: Hand and The neck _Group A	Alp Bayramoğlu -Elif Keskinöz
15:10 – 15:50	LAB: Hand and The neck _Group B	Alp Bayramoğlu -Elif Keskinöz
16:00 – 16:40	LAB: Hand and The neck _Group B	Alp Bayramoğlu -Elif Keskinöz

18.03.2014 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Work related musculoskeletal disorders	Nadi Bakırcı
10:10 – 10:50	CMPS IV: Medical Ethics and Humanities	Yeşim Ülman, Fatih Artvinli
11:00 – 11:40	<i>What is ethics? Ethical Theories</i>	
11:50 – 12:30	Study Time	
13:30 – 14:10	MI&BT: Orthopedics implant technology	Deniz Yücel
14:20 – 15:00	MI&BT: Orthopedics implant technology	Deniz Yücel
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

19.03.2014 WEDNESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Spondyloarthropathies	Ayçe Atalay
10:10 – 10:50	Neck and upper extremity pain	Ayçe Atalay
11:00 – 11:40	MI&BT: EMG	Evren Kılınç
11:50 – 12:30	Osteomyelitis and septic arthritis	Nadir Şener
13:30 – 14:10	Study Time	
14:20 – 15:00	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo
15:10 – 15:50	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo
16:00 – 16:40	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo

20.03.2014 THURSDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	LAB: Superficial structures of The Face and Pterygopalatina fossa_Group A	Alp Bayramoğlu-Elif Keskinöz
10:10 – 10:50	LAB: Superficial structures of The Face and Pterygopalatina fossa_Group A	Alp Bayramoğlu-Elif Keskinöz
11:00 – 11:40	LAB: Superficial structures of The Face and Pterygopalatina fossa_Group B	Alp Bayramoğlu-Elif Keskinöz
11:50 – 12:30	LAB: Superficial structures of The Face and Pterygopalatina fossa_Group B	Alp Bayramoğlu-Elif Keskinöz
13:30 – 14:10	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo
14:20 – 15:00	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo
15:10 – 15:50	Elective Course-IV	
16:00 – 16:40	Elective Course-IV	

21.03.2014 FRIDAY		
08:30 – 09:10	Radiologic findings of upper and lower extremity diseases	Ercan Karaarslan
09:20 – 10:00	Radiologic findings of upper and lower extremity diseases	Ercan Karaarslan
10:10 – 10:50	Imaging Information Systems	Özge Sağıroğlu Yurdakul
11:00 – 11:40	BioMart	Sinan Fındık
11:50 – 12:30	BioMart	Sinan Fındık
13:30 – 14:10	Study Time	
14:20 – 15:00	MI&BT	
15:10 – 15:50	Group A: <i>Visit to EMG Lab</i>	Geysu Karlıkaya , Evren Kılınç
16:00 – 16:40	Group B: <i>Study Time</i>	(Kozyatağı Acıbadem Hospital)

**24.03.2014 MONDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	<b>MED 206 MID- COMMITTE EXAMINATION</b>	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Management of symptoms of functional impairment related to musculoskeletal disorders in primary care	Efe Onganer
14:20 – 15:00	Specialty Based Clinical Information Systems & Electronic Patient Records	Özge Sağırođlu Yurdakul
15:10 – 15:50	Specialty Based Clinical Information Systems & Electronic Patient Records	Özge Sağırođlu Yurdakul

**25.03.2014 TUESDAY**

08:30 – 09:10	Health Informatics Standards	Özge Sağırođlu Yurdakul
09:20 – 10:00	Health Informatics Standards	Özge Sağırođlu Yurdakul
10:10 – 10:50	CMPS IV: Medical Ethics and Humanities	
11:00 – 11:40	<i>Principles of Bioethics</i>	Yeşim Ülman
11:50 – 12:30	<i>Human Dignity and Human Rights</i>	Fatih Artvinli
13:30 – 14:10		
14:20 – 15:00	CMPS-IV: Research in Health	Research Supervisors
15:10 – 15:50	<i>Data Processing-I</i>	
16:00 – 16:40		

**26.03.2014 WEDNESDAY**

08:30 – 09:10	Posterior Abdominal Wall&Lumbosacral Plexus	Alp Bayramođlu
09:20 – 10:00	Posterior Abdominal Wall&Lumbosacral Plexus	Alp Bayramođlu
10:10 – 10:50	Image production and interpretation in radiographics and radiation protection	Ali Türk
11:00 – 11:40	Image production and interpretation in radiographics and radiation protection	Ali Türk
11:50 – 12:30	Image production and interpretation in radiographics and radiation protection	Ali Türk
13:30 – 14:10	Soft tissue rheumatism	Reyhan Çeliker
14:20 – 15:00	Medical English-IV	Gery Çiftçiođlu, Lisa Angelo
15:10 – 15:50	Medical English-IV	Gery Çiftçiođlu, Lisa Angelo
16:00 – 16:40	Medical English-IV	Gery Çiftçiođlu, Lisa Angelo

**27.03.2014 THURSDAY**

08:30 – 09:10	Osteoporosis	Reyhan Çeliker
09:20 – 10:00	LAB: Posterior Abdominal Wall & Lumbosacral Plexus_Group A	Alp Bayramođlu-Elif Keskinöz
10:10 – 10:50	LAB: Posterior Abdominal Wall & Lumbosacral Plexus_Group A	Alp Bayramođlu-Elif Keskinöz
11:00 – 11:40	LAB: Posterior Abdominal Wall & Lumbosacral Plexus_Group B	Alp Bayramođlu-Elif Keskinöz
11:50 – 12:30	LAB: Posterior Abdominal Wall & Lumbosacral Plexus_Group B	Alp Bayramođlu-Elif Keskinöz
13:30 – 14:10	Medical English-IV	Gery Çiftçiođlu, Lisa Angelo
14:20 – 15:00	Medical English-IV	Gery Çiftçiođlu, Lisa Angelo
15:10 – 15:50	Elective Course-IV	
16:00 – 16:40	Elective Course-IV	

**28.03.2014 FRIDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Bacterial infections of bone and joints	Sesin Kocagöz
10:10 – 10:50	Bacterial infections of bone and joints	Sesin Kocagöz
11:00 – 11:40	Gluteal region and posterior aspect of thigh	Elif Keskinöz
11:50 – 12:30	Gluteal region and posterior aspect of thigh	Elif Keskinöz
13:30 – 14:10	Study Time	
14:20 – 15:00	MI&BT	
15:10 – 15:50	Group B: <i>Visit to EMG Lab</i>	Geyso Karlıkaya , Evren Kılınç
16:00 – 16:40	Group A: <i>Study Time</i>	(Kozyatađı Acıbadem Hospital)

31.03.2014 MONDAY		
08:30 – 09:10	Traumatic dislocations and soft tissue injuries	Ufuk Nalbantoğlu
09:20 – 10:00	Anterior medial thigh & femoral triangle	Alp Bayramoğlu
10:10 – 10:50	Anterior medial thigh & femoral triangle	Alp Bayramoğlu
11:00 – 11:40	Biochemical aspects of muscle disease	Mustafa Serteser
11:50 – 12:30	Study Time	
13:30 – 14:10	Lab: Gluteal region and posterior aspect of thigh& Anterior medial thigh&femoral triangle Group B	Alp Bayramoğlu-Elif Keskinöz
14:20 – 15:00		
15:10 – 15:50	Lab: Gluteal region and posterior aspect of thigh& Anterior medial thigh&femoral triangle Group A	Alp Bayramoğlu-Elif Keskinöz
16:00 – 16:40		

01.04.2014 TUESDAY		
08:30 – 09:10	E-Health Technologies	Özge Sağıroğlu Yurdakul
09:20 – 10:00	E-Health Technologies	Özge Sağıroğlu Yurdakul
10:10 – 10:50	Infectious disease of the bone and joint	Özlem Aydın
11:00 – 11:40	CMPS IV: Medical Ethics and Humanities	Yeşim Ülman, Fatih Artvinli
11:50 – 12:30	<i>Benefit - Harm</i>	
13:30 – 14:10	CMPS-IV: Research in Health	Research Supervisors
14:20 – 15:00	<i>Data Processing-II</i>	
15:10 – 15:50		
16:00 – 16:40	Study Time	

02.04.2014 WEDNESDAY		
08:30 – 09:10		
09:20 – 10:00	MI&BT: Image production and interpretation in CT	Sıla Ulus
10:10 – 10:50		
11:00 – 12:30	CMPS IV: Medical Ethics and Humanities <i>Autonomy - Responsibility</i>	Yeşim Ülman, Fatih Artvinli
13:30 – 14:10	MI&BT: Fluorescence Application in Medicine	Devrim Öz Arslan
14:20 – 15:00	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
15:10 – 15:50	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
16:00 – 16:40	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo

03.04.2014 THURSDAY		
08:30 – 09:10	Inflammatory rheumatic diseases	Mehmet Karaarslan
09:20 – 10:00	Approach to the patient with arthritis	Mehmet Karaarslan
10:10 – 10:50	Anti-inflammatory analgesic drugs	Filiz Onat
11:00 – 11:40	Anti-inflammatory analgesic drugs	Filiz Onat
11:50 – 12:30	Anti-inflammatory analgesic drugs	Filiz Onat
13:30 – 14:10	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
14:20 – 15:00	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
15:10 – 15:50	Elective Course-IV	
16:00 – 16:40	Elective Course-IV	

04.04.2014 FRIDAY		
08:30 – 09:10	Disease modifying antirheumatic drugs	Filiz Onat
09:20 – 10:00	Approach to Arthritis in Children	Alpay Çeliker
10:10 – 10:50	Infections of the soft tissue	Hülya Kuşoğlu
11:00 – 11:40	Infections of the soft tissue	Hülya Kuşoğlu
11:50 – 12:30	BT: Physical principles of ultrasonography	Evren Kılınç
13:30 – 14:10		
14:20 – 15:00	UniProtKB, Interprot and IntAct	Sinan Fındık
15:10 – 15:50		
16:00 – 16:40		

07.04.2014 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Bone remodeling and fracture healing	Hale Kırımlıoğlu
10:10 – 10:50	Anterior and lateral aspect of the leg	Alp Bayramoğlu
11:00 – 11:40	Anterior and lateral aspect of the leg	Alp Bayramoğlu
11:50 – 12:30	Anterior and lateral aspect of the leg	Alp Bayramoğlu
13:30 – 14:10		
14:20 – 15:00	MI&BT: Fluorescence Application in Medicine	Tanıl Kocagöz, Devrim Öz Arslan, Deniz Yücel, Evren Kılınc, Sinem Öktem Okullu, Nihan Aytekin
15:10 – 15:50		
16:00 – 16:40	Study Time	Ünüböl

08.04.2014 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	MI&BT: Image production and interpretation in ultrasonography	Ümit Özcan
10:10 – 10:50		
11:00 – 11:40	CMPS IV: Medical Ethics and Humanities	Yeşim Ülman, Fatih Artvinli
11:50 – 12:30	<i>Informed consent in difficult situations</i>	
13:30 – 14:10		
14:20 – 15:00	CMPS-IV: Research in Health <i>Data Processing-III</i>	Research Supervisors
15:10 – 15:50		
16:00 – 16:40		

09.04.2014 WEDNESDAY		
08:30 – 09:10	BT: Physical principles of CT&MRI	Evren Kılınc
09:20 – 10:00		
10:10 – 10:50	MI&BT: Image production and interpretation in MRI	Alp Dinçer
11:00 – 11:40	CMPS IV: Medical Ethics and Humanities	Yeşim Ülman , Fatih Artvinli
11:50 – 12:30	<i>Privacy - Confidentiality</i>	
13:30 – 14:10	Study Time	
14:20 – 15:00	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
15:10 – 15:50	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
16:00 – 16:40	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo

10.04.2014 THURSDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Joints of the lower Extremity	Elif Keskinöz
10:10 – 10:50	Joints of the lower Extremity	Elif Keskinöz
11:00 – 11:40	Neoplastic disease of bones and joints	Hale Kırımlıoğlu
11:50 – 12:30	Neoplastic disease of bone and joint	Hale Kırımlıoğlu
13:30 – 14:10	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
14:20 – 15:00	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
15:10 – 15:50	Elective Course-IV	
16:00 – 16:40	Elective Course-IV	

11.04.2014 FRIDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	LAB: Joints of the lower Extremity and Anterior and lateral aspect of the leg_Group B	Alp Bayramoğlu -Elif Keskinöz
10:10 – 10:50	LAB: Joints of the lower Extremity and Anterior and lateral aspect of the leg_Group B	Alp Bayramoğlu -Elif Keskinöz
11:00 – 11:40	LAB: Joints of the lower Extremity and Anterior and lateral aspect of the leg_Group A	Alp Bayramoğlu -Elif Keskinöz
11:50 – 12:30	LAB: Joints of the lower Extremity and Anterior and lateral aspect of the leg_Group A	Alp Bayramoğlu -Elif Keskinöz
13:30 – 14:10		
14:20 – 15:00	Reactome-The pathway Browser	Sinan Fındık
15:10 – 15:50		
16:00 – 16:40	Study Time	

14.04.2014 MONDAY		
08:30 – 09:10	Soft tissue tumors	Özlem Aydın
09:20 – 10:00	Soft tissue tumors	Özlem Aydın
10:10 – 10:50	Connective tissue disorders	Mehmet Karaarslan
11:00 – 11:40	Crystal-related arthropathies	Mehmet Karaarslan
11:50 – 12:30	Study Time	
13:30 – 14:10	Developmental dysplasia of the hip and club foot (Pes Equinovarus)	Mehmet Uğur Özbaydar
14:20 – 15:00	Myositis and connective tissue diseases	Gamze Bereket
15:10 – 15:50	Posterior aspect of the leg & popliteal fossa	Alp Bayramoğlu
16:00 – 16:40	Posterior aspect of the leg & popliteal fossa	Alp Bayramoğlu

15.04.2014 TUESDAY		
08:30 – 09:10	Pathology of arthritis	Hale Kırımlioğlu
09:20 – 10:00	Tumors of the skin	Özlem Aydın
10:10 – 10:50	Foot	Alp Bayramoğlu
11:00 – 11:40	Foot	Alp Bayramoğlu
11:50 – 12:30	Foot	Alp Bayramoğlu
13:30 – 14:10	CMPS-IV: Research in Health <i>Data Processing-IV</i>	Research Supervisors
14:20 – 15:00		
15:10 – 15:50		
16:00 – 16:40		

16.04.2014 WEDNESDAY		
08:30 – 09:10	Abdominal Muscle	Elif Keskinöz
09:20 – 10:00	Deepback muscles, sub-occipital region	Alp Bayramoğlu- Elif Keskinöz
10:10 – 10:50	Genetic basis of musculoskeletal diseases	Deniz Ağırbaşı
11:00 – 11:40	Genetic basis of musculoskeletal diseases	Deniz Ağırbaşı
11:50 – 12:30	Study Time	
13:30 – 14:10	MI&BT: <i>Acıbadem Hospital Information System (Cerebral)</i>	Eda Demirci
14:20 – 15:00		
15:10 – 15:50		
16:00 – 16:40		

17.04.2014 THURSDAY		
08:30 – 09:10	Neuromuscular disorders (Cerebral palsy, Poliomyelitis, Spina Bifida...)	Burak Beksaç
09:20 – 10:00	LAB: Posterior aspect of the leg & popliteal fossa and foot_Group B	Alp Bayramoğlu - Elif Keskinöz
10:10 – 10:50	LAB: Posterior aspect of the leg & popliteal fossa and foot_Group B	Alp Bayramoğlu- Elif Keskinöz
11:00 – 11:40	LAB: Posterior aspect of the leg & popliteal fossa and foot_Group A	Alp Bayramoğlu- Elif Keskinöz
11:50 – 12:30	LAB: Posterior aspect of the leg & popliteal fossa and foot_Group A	Alp Bayramoğlu - Elif Keskinöz
13:30 – 14:10	MI&BT: <i>Radiological imaging systems in medicine</i>	Ercan Karaaslan
14:20 – 15:00		
15:10 – 15:50		
16:00 – 16:40		

18.04.2014 FRIDAY		
08:30 – 09:10	Developmental & acquired abnormalities in bone cells, matrix & structure	Özlem Aydın
09:20 – 10:00	LAB: Abdominal Muscle and Deepback muscles, sub-occipital region_Group A	Alp Bayramoğlu- Elif Keskinöz
10:10 – 10:50	LAB: Abdominal Muscle and Deepback muscles, sub-occipital region_Group A	Alp Bayramoğlu- Elif Keskinöz
11:00 – 11:40	LAB: Abdominal Muscle and Deepback muscles, sub-occipital region_Group B	Alp Bayramoğlu- Elif Keskinöz
11:50 – 12:30	LAB: Abdominal Muscle and Deepback muscles, sub-occipital region_Group B	Alp Bayramoğlu- Elif Keskinöz
13:30 – 14:10	MI&BT: <i>Biomarker Discovery</i>	Sinan Fındık
14:20 – 15:00		
15:10 – 15:50		
16:00 – 16:40		

21.04.2014 MONDAY		
08:30 – 09:10		
09:20 – 10:00	CMPS-IV: Skills related to subject committee <i>Musculoskeletal System and Related Disorder</i>	Metin Türkmən Burak Beksaç
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10		
14:20 – 15:00	CMPS-IV: Skills related to subject committee <i>Musculoskeletal System and Related Disorder</i>	Metin Türkmən Burak Beksaç
15:10 – 15:50		
16:00 – 16:40		

22.04.2014 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

23.04.2014 WEDNESDAY		
	<b>National Sovereignty and Children's Day</b>	

24.04.2014 THURSDAY		
	<b>MED 206 SUBJECT COMMITTEE PRACTICAL AND THEORETICAL EXAMINATION</b>	

25.04.2014 FRIDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Introduction to Subject Committee: Respiratory System and Related Disorders	Devrim Öz Arslan , Yavuz Oktay
10:10 – 10:50	Histology of the upper respiratory system	Serap Arbak
11:00 – 11:40	The ideal gas law, gas mixtures	Beki Kan
11:50 – 12:30	The ideal gas law, gas mixtures	Beki Kan
13:30 – 14:10	The root of the neck	Alp Bayramođlu
14:20 – 15:00	The pharynx	Elif Keskinöz
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

28.04.2014 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	CMPS IV MID- COMMITTEE EXAMINATION	
10:10 – 10:50	Study Time	
11:00 – 11:40	The larynx	Elif Keskinöz
11:50 – 12:30	The larynx	Elif Keskinöz
13:30 – 14:10	Histology of the lower respiratory system	Serap Arbak
14:20 – 15:00	Plasma Proteins	Özge Can
15:10 – 15:50	Plasma Proteins	Özge Can
16:00 – 16:40	Study Time	

29.04.2014 TUESDAY		
08:30 – 09:10	Respiratory system functions	Melike Şahiner
09:20 – 10:00	Respiratory system functions	Melike Şahiner
10:10 – 10:50	CMPS IV: Medical Ethics and Humanities	Gülsüm Önal, Yeşim Ülman, Işıl Pakiş
11:00 – 11:40	<i>Patient Rights / Physician's Responsibility</i>	
11:50 – 12:30		
13:30 – 14:10	LAB: The root of the neck and The Larynx_Group A	Alp Bayramoğlu - Elif Keskinöz
14:20 – 15:00	LAB: The root of the neck and The Larynx_Group A	Alp Bayramoğlu - Elif Keskinöz
15:10 – 15:50	LAB: The root of the neck and The Larynx_Group B	Alp Bayramoğlu- Elif Keskinöz
16:00 – 16:40	LAB: The root of the neck and The Larynx_Group B	Alp Bayramoğlu- Elif Keskinöz

30.04.2014 WEDNESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Surface tension of alveoli	Beki Kan
10:10 – 10:50	CMPS IV: Medical Ethics and Humanities	Yeşim Ülman
11:00 – 11:40	<i>Justice in Ethical aspect</i>	Fatih Artvinli
11:50 – 12:30	<i>Non-discrimination and non-stigmatization</i>	
13:30 – 14:10	Development of respiratory System	Deniz Yücel
14:20 – 15:00	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
15:10 – 15:50	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
16:00 – 16:40	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo

01.05.2014 THURSDAY		
	<b>Labour and Solidarity Day</b>	

02.05.2014 FRIDAY		
08:30 – 09:10	Alveolar and tissue respiration	Melike Şahiner
09:20 – 10:00	LAB: Histology of Respiratory System_Group A	Serap Arbak
10:10 – 10:50	LAB: Histology of Respiratory System_Group A	Serap Arbak
11:00 – 11:40	LAB: Histology of Respiratory System_Group A	Serap Arbak
11:50 – 12:30	LAB: Histology of Respiratory System_Group A	Serap Arbak
13:30 – 14:10		
14:20 – 15:00	MI&BT: <i>Medulla</i>	Deniz Konuk
15:10 – 15:50		
16:00 – 16:40		

05.05.2014 MONDAY		
08:30 – 09:10	The Nose, associated structures and paranasal sinuses	Elif Keskinöz
09:20 – 10:00	The Nose, associated structures and paranasal sinuses	Elif Keskinöz
10:10 – 10:50	Transfer of respiratory gases in blood	Devrim Öz Arslan
11:00 – 11:40	Effects of increased and decreased lung pressure	Devrim Öz Arslan
11:50 – 12:30		
13:30 – 14:10		
14:20 – 15:00	LAB: The Nose, associated structures and paranasal sinuses and thoracic Wall_Group B	Alp Bayramoğlu -Elif Keskinöz
15:10 – 15:50		
16:00 – 16:40	LAB: The Nose, Associated structures and Paranasal Sinuses and Thoracic Wall_Group A	Alp Bayramoğlu- Elif Keskinöz

06.05.2014 TUESDAY		
08:30 – 09:10	Regulation of Hydrogen Ion Concentration	Abdurrahman Coşkun
09:20 – 10:00	The Thoracic Wall	Alp Bayramoğlu
10:10 – 10:50	The Thoracic Wall	Alp Bayramoğlu
11:00 – 11:40	Regulation of respiration	Melike Şahiner
11:50 – 12:30	Regulation of respiration	Melike Şahiner
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

07.05.2014 WEDNESDAY		
08:30 – 09:10	Laboratory diagnosis of allergic diseases	Mustafa Serteser
09:20 – 10:00	The Trachea and The Lungs	Alp Bayramoğlu
10:10 – 10:50	The Trachea and The Lungs	Alp Bayramoğlu
11:00 – 11:40	CMPS IV: Medical Ethics and Humanities	Yeşim Ülman
11:50 – 12:30	<i>Beginning of Life</i>	Fatih Artvinli
13:30 – 14:10		
14:20 – 15:00	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo
15:10 – 15:50	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo
16:00 – 16:40	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo

08.05.2014 THURSDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Mediastinum	Elif Keskinöz
10:10 – 10:50	Mediastinum	Elif Keskinöz
11:00 – 11:40	Interactive Module	
11:50 – 12:30	Interactive Module	
13:30 – 14:10	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo
14:20 – 15:00	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo
15:10 – 15:50	Elective Course-IV	
16:00 – 16:40	Elective Course-IV	

09.05.2014 FRIDAY		
08:30 – 09:10		
09:20 – 10:00	LAB: The Trachea, the lungs and mediastinum_Group-A	Alp Bayramoğlu -Elif Keskinöz
10:10 – 10:50	LAB: The Trachea, the lungs and mediastinum_Group-A	Alp Bayramoğlu -Elif Keskinöz
11:00 – 11:40	LAB: The Trachea, the lungs and mediastinum_Group-B	Alp Bayramoğlu -Elif Keskinöz
11:50 – 12:30	LAB: The Trachea, the lungs and mediastinum_Group-B	Alp Bayramoğlu -Elif Keskinöz
13:30 – 14:10		
14:20 – 15:00		
15:10 – 15:50	MI&BT: CADD: Designing new molecules	Sinan Fındık
16:00 – 16:40		

12.05.2014 MONDAY		
08:30 – 09:10	Upper respiratory system infections	Hülya Kuşoğlu
09:20 – 10:00	Upper respiratory system infections	Hülya Kuşoğlu
10:10 – 10:50	Common respiratory system disorders in primary care	Pınar Topsever
11:00 – 11:40	Common respiratory system disorders in primary care	Pınar Topsever
11:50 – 12:30	Upper airway infections in children	Müjde Arapoğlu
13:30 – 14:10	Effects of Exercise on Respiration and Muscles	Melike Şahiner
14:20 – 15:00	Lower respiratory system infections	Sesin Kocagöz
15:10 – 15:50	Lower respiratory system infections	Sesin Kocagöz
16:00 – 16:40	Study Time	
13.05.2014 TUESDAY		
08:30 – 09:10	Pneumonia	Çağlar Çuhadaroğlu
09:20 – 10:00	Pneumonia	Çağlar Çuhadaroğlu
10:10 – 10:50	Management of respiratory system disorders in primary care	Pınar Topsever
11:00 – 11:40	Management of respiratory system disorders in primary care	Pınar Topsever
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	
14.05.2014 WEDNESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	<b>MED 208 MID- COMMITTE EXAMINATION</b>	
11:50 – 12:30		
13:30 – 14:10	Introduction to Chest Radiology, ( CXR and CT)	Ümit Özcan
14:20 – 15:00	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
15:10 – 15:50	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
16:00 – 16:40	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
15.05.2014 THURSDAY		
08:30 – 09:10		
09:20 – 10:00	Lower airway infections in children	Sibel Aka
10:10 – 10:50	Cystic fibrosis and congenital disease of the pulmonary system	Yasemin Alanay
11:00 – 11:40	Interactive Module	
11:50 – 12:30	Interactive Module	
13:30 – 14:10	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
14:20 – 15:00	Medical English-IV	Gery Çiftçioğlu, Lisa Angelo
15:10 – 15:50	Elective Course-IV	
16:00 – 16:40	Elective Course-IV	
16.05.2014 FRIDAY		
08:30 – 09:10	Pleural disease	Ceyda Erel Kirişoğlu
09:20 – 10:00	Pulmonary embolism and pulmonary vascular disease	Pejman Golabi
10:10 – 10:50	Pulmonary embolism and pulmonary vascular disease	Pejman Golabi
11:00 – 11:40	Pathology of chronic obstructive pulmonary diseases	Handan Zeren
11:50 – 12:30	Pathology of chronic obstructive pulmonary diseases	Handan Zeren
13:30 – 14:10		
14:20 – 15:00	MI&BT: <i>Broncoscopy and polysomnography</i>	Çağlar Cuhadaroğlu (University Campus)
15:10 – 15:50		
16:00 – 16:40		

19.05.2014 MONDAY

Commemoration Atatürk, Youth and Sports Day

20.05.2014 TUESDAY

08:30 – 09:10	Viral and fungal diseases of the lung	Handan Zeren
09:20 – 10:00	<b>TBC PANEL SESSION</b>	
10:10 – 10:50	1- Pulmonary Medicine Tuberculosis (TBC)	Çağlar Çuhadaroğlu
11:00 – 11:40	2- Pathology Pulmonary TBC	Yeşim Yasin
11:50 – 12:30	3- Infectious Diseases Laboratory Diagnosis of TBC	Handan Zeren
	4- Public Health Epidemiology and prevention of TBC	Tanıl Kocagöz
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

21.05.2014 WEDNESDAY

08:30 – 09:10	Study Time	
09:20 – 10:00	Childhood asthma	Akgül Akpınarlı
10:10 – 11:40	CMPS-IV: Medical Ethics and humanities	Yeşim Ulman, Fatih Artvinli,
11:50-12:30	<i>Death and dying patient- Ethical aspect of end of life</i>	Cem İncesu Işıl Pakiş
13:30 – 14:10	Study Time	
14:20 – 15:00	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo
15:10 – 15:50	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo
16:00 – 16:40	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo

22.05.2014 THURSDAY

08:30 – 09:10	Study Time	
09:20 – 10:00	Drugs for asthma	Filiz Onat
10:10 – 10:50	Drugs for asthma	Filiz Onat
11:00 – 11:40	Interactive Module	
11:50 – 12:30	Interactive Module	
13:30 – 14:10	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo
14:20 – 15:00	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo
15:10 – 15:50	Elective Course-IV	
16:00 – 16:40	Elective Course-IV	

23.05.2014 FRIDAY

08:30 – 09:10	Bacterial pneumonias and lung abscess	Handan Zeren
09:20 – 10:00	Diseases of upper airways	Handan Zeren
10:10 – 10:50	Diseases of upper airways	Handan Zeren
11:00 – 11:40	Expectorans and antitussive agents	Filiz Onat
11:50 – 12:30	Study Time	
13:30 – 14:10		
14:20 – 15:00	MI&BT: <i>Synthetic Biology</i>	Sinan Fındık
15:10 – 15:50		
16:00 – 16:40		

26.05.2014 MONDAY		
08:30 – 09:10	Drug induced lung disease and eosinophilic lung disease	Ceyda Erel Kirişođlu
09:20 – 10:00	Idiopathic Interstitial Pneumonias (IIP) and Sarcoidosis	Suha Alzafer
10:10 – 10:50	Diffuse parenchymal lung disease (nonIIP)	Suha Alzafer
11:00 – 11:40	Diffuse interstitial lung diseases	Handan Zeren
11:50 – 12:30	Study Time	
13:30 – 14:10	Lung neoplasm	Semih Halezerođlu
14:20 – 15:00	Mediastinum	Semih Halezerođlu
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

27.05.2014 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	CMPS-IV: Medical Ethics and Humanities	Yeşim Ulman, Fatih Artvinli,
11:00 – 11:40	<i>Organ donation and transplantation</i>	Ahmet Çakırođlu
11:50 – 12:30		
13:30 – 14:10	Cholinergics and anticholinergic drugs in respiratory system related disorders	İsmail Hakkı Ulus
14:20 – 15:00	Catecholaminergic drugs in respiratory system related disorder	İsmail Hakkı Ulus
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

28.05.2014 WEDNESDAY		
08:30 – 09:10	Critical Readings (Discussion)	Sinan Fındık
09:20 – 10:00	Critical Readings (Discussion)	Sinan Fındık
10:10 – 10:50	Critical Readings (Discussion)	Sinan Fındık
11:00 – 11:40	CMPS-IV: Medical Ethics and humanities	Yeşim Ulman
11:50 – 12:30	<i>New Medical Technologies -Genetics</i>	Fatih Artvinli
13:30 – 14:10		
14:20 – 15:00	Medical English-IV	Gery Çiftçiođlu, Lisa Angelo
15:10 – 15:50	Medical English-IV	Gery Çiftçiođlu, Lisa Angelo
16:00 – 16:40	Medical English-IV	Gery Çiftçiođlu, Lisa Angelo

29.05.2014 THURSDAY		
	4 <sup>th</sup> STUDENT RESEARCH CONGRESS	

30.05.2014 FRIDAY		
	4 <sup>th</sup> STUDENT RESEARCH CONGRESS	

31.05.2014 SATURDAY		
	4 <sup>th</sup> STUDENT RESEARCH CONGRESS	

**02.06.2014 MONDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Diseases of the ear	Şenol Polat
10:10 – 10:50	Tumors of pleura and mediastinum	Handan Zeren
11:00 – 11:40	Neoplastic diseases of the lung	Handan Zeren
11:50 – 12:30	Neoplastic diseases of the lung	Handan Zeren
13:30 – 14:10	CMPS-IV: Medical Ethics and humanities <i>New Medical Technologies - Genetics</i>	Yeşim Ulman - Fatih Artvinli
14:20 – 15:00		
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**03.06.2014 TUESDAY**

08:30 – 09:10		
09:20 – 10:00		
10:10 – 10:50	CMPS-IV: Skills related to subject committee	Çağlar Çuhadaroğlu
11:00 – 11:40	<i>Respiratory function tests</i>	Ceyda Erel Kirişoğlu
11:50 – 12:30		
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**04.06.2014 WEDNESDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Chest trauma, hemothorax and pneumothorax	Erdal Okur
10:10 – 10:50	Pathology of the pulmonary circulation	Handan Zeren
11:00 – 11:40	Signs and patterns of lung disease	Ümit Aksoy Özcan
11:50 – 12:30	Tumors of lung and mediastinum, pleura, chest wall, diaphragm diseases and miscellaneous chest conditions	Ümit Aksoy Özcan
13:30 – 14:10	Study Time	
14:20 – 15:00	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo
15:10 – 15:50	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo
16:00 – 16:40	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo

**05.06.2014 THURSDAY**

08:30 – 09:10	Upper airway obstructions	Ömer Faruk Ünal
09:20 – 10:00	Upper airway obstructions	Ömer Faruk Ünal
10:10 – 10:50	Study Time	
11:00 – 11:40	Interactive Module	
11:50 – 12:30	Interactive Module	
13:30 – 14:10	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo
14:20 – 15:00	Medical English-IV	Gery Çiftçiöğlü, Lisa Angelo
15:10 – 15:50	Elective Course-IV	
16:00 – 16:40	Elective Course-IV	

**06.06.2014 FRIDAY**

08:30 – 09:10	Sleep related breathing disorders	Ceyda Erel Kirişoğlu
09:20 – 10:00	Occupational and environmental lung diseases	Hilal Altınöz
10:10 – 10:50	Occupational and environmental lung diseases	Hilal Altınöz
11:00 – 11:40	Occupational and environmental lung diseases	Hilal Altınöz
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00		
15:10 – 15:50	MI&BT: <i>Student presentation</i>	Sinan Fındık
16:00 – 16:40		

09.06.2014 MONDAY		
08:30 – 09:10	Nuclear Medicine methods and molecular imaging for the evaluation of pulmonary disease	Levent Güner
09:20 – 10:00	Genetic basis of lung diseases	Deniz Ağırbaşı
10:10 – 10:50	Genetic basis of lung diseases	Cemaliye Akyerli Boylu
11:00 – 11:40	Tobacco control and smoking cessation	Suha Alzafer
11:50 – 12:30	Study Time	
13:30 – 14:10	MI&BT: <i>Student presentations</i>	Sinan Fındık
14:20 – 15:00		
15:10 – 15:50		
16:00 – 16:40		

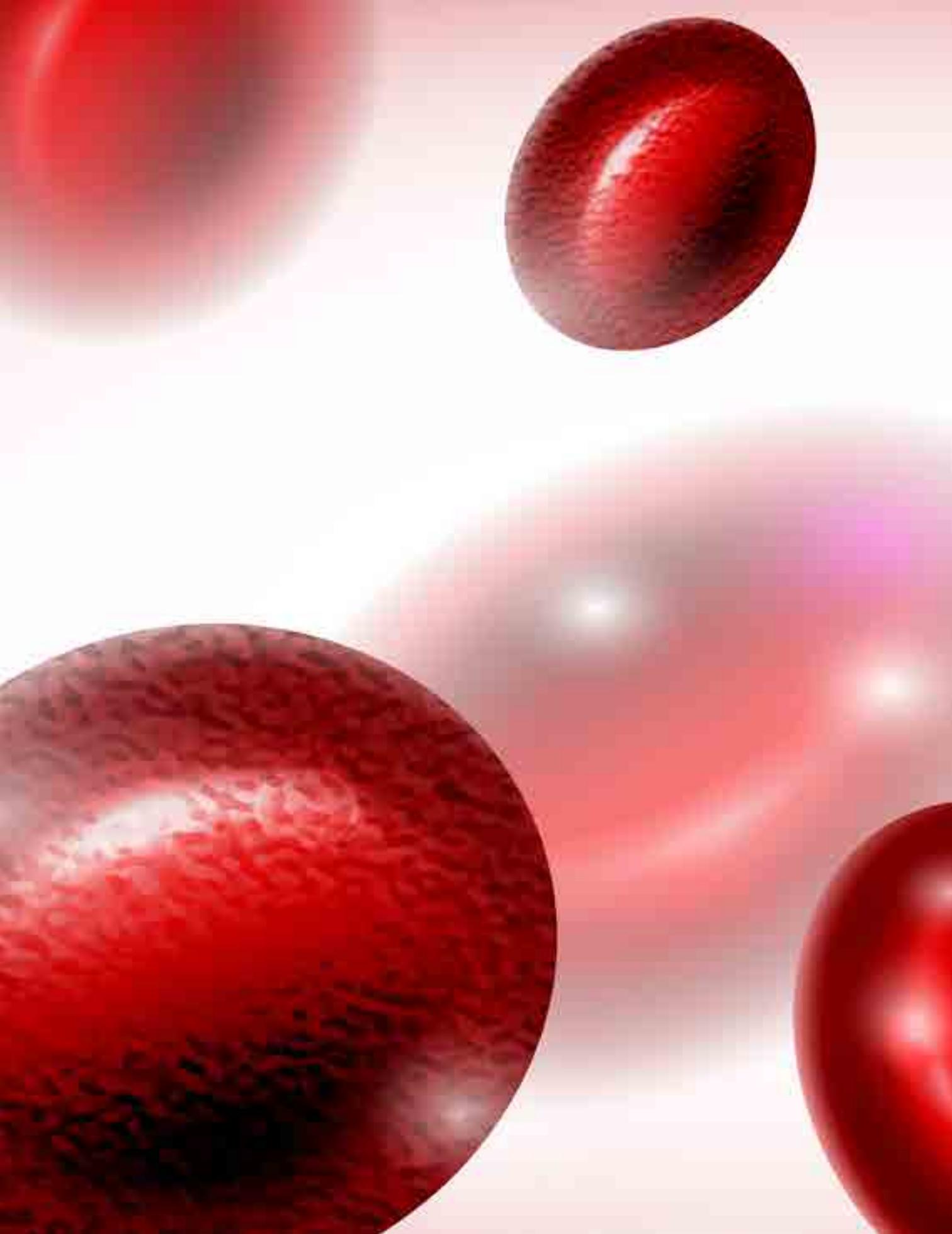
10.06.2014 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

11.06.2014 WEDNESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

12.06.2014 THURSDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

13.06.2014 FRIDAY		
08:30 – 12:30	MED 210 CMPS-IV SUBJECT COMMITTEE EXAMINATION	
13:30 – 16:40	MED 209 MI&BT SUBJECT COMMITTEE EXAMINATION	

16.06.2014 MONDAY		
	MED 208 SUBJECT COMMITTEE PRACTICAL AND THEORETICAL EXAMINATION	





ACIBADEM  
UNIVERSITY

# 2013-2014 YEAR 3

SCHOOL OF MEDICINE

## YEAR 3 COURSE CREDITS

COURSES	Theoretical Hours			Practical Hours			Study Time	Total	National credits	ECTS
	Lectures	IALS	Sub- Total	Lab study	Field study	Sub- Total				
Cardiovascular System and Related Disorders	108	0	108	5	0	5	38	151	8	6
Nervous System and Related Disorders	145	0	145	8	0	8	55	208	11	8
Growth, Development and Endocrine Disorders	86	6	92	2	0	2	40	134	7	5
Gastrointestinal System, Metabolism & Related Diseases	127	10	137	10	0	10	60	207	10	8
Urinary System, Reproductive System & Related Diseases	112	0	112	21	0	21	70	203	9	8
Clinical Medicine and Professional Skills-V	18	23	41	19	0	19	90	150	4	6
Clinical Medicine and Professional Skills-VI	20	0	20	6	60	66	115	201	4	8
Medical Informatics and Bio-medical Technologies-II	18	0	18	0	33	33	75	126	3	5
Medical English-V	10	10	20	36	0	36	20	76	3	3
Medical English-VI	5	5	10	24	0	24	35	69	2	3
<b>TOTAL</b>	<b>649</b>	<b>54</b>	<b>703</b>	<b>131</b>	<b>93</b>	<b>224</b>	<b>598</b>	<b>1525</b>	<b>61</b>	<b>60</b>

**IALS** Interactive Learning Sessions (Panels, debates, discussions, symposia, case studies, problem-based learning sessions, etc.)

**Field Study** Site visits, Studies in the community, Working in health facilities

**Lab Study** Clinical skills labs, Basic sciences labs, Computer labs, Performance sessions

**Study Time** Self Directed Learning, Preparation

# YEAR 3 COURSE INFORMATIONS

Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	108	Credit	ECTS
			Practical (Hour)	5		
<b>Cardiovascular System and Related Disorders</b>	MED 303	Fall	<b>Preparation</b> (Hour)	38	8	6
<b>Educational Language</b>	English					
<b>Course Type</b>	Compulsory					
<b>Course Level</b>	Undergraduate					
<b>Year Coordinators</b>	Prof. İsmail Hakkı Ulus; ihakki.ulus@acibadem.edu.tr Prof. Güldal Süyen; guldal.suyen@acibadem.edu.tr					
<b>Committe Chairs</b>	Prof. Sinan Dağdelen; sdagdelen@asg.com.tr Assist. Prof. Mehmet Ergen; mehmet.ergen@acibadem.edu.tr					
<b>Academic Units &amp; Staff</b>	<p><b>Anatomy:</b> Elif N. KESKİNÖZ., MSc., Instructor</p> <p><b>Biophysics:</b> Beki KAN, Ph.D., Prof. Evren KILINÇ, Ph.D., Assist. Prof.</p> <p><b>Cardiology:</b> Sinan DAGDELEN, M.D., Prof. Mustafa Kemal BATUR, M.D., Prof. Şevket GÖRGÜLÜ M.D., Prof. Tuğrul NORGAZ, M.D., Prof. Ahmet Duran DEMİR, M.D., Prof. İlke SİPAHI, M.D., Prof. Ahmet AKYOL, M.D., Assoc. Prof. F. Seden ERTEN-ÇELİK, M.D., Assoc. Prof. Tansu KARAAHMET, M.D., Assoc. Prof. Ergün SEYFELİ, Assoc. Prof. Gülcan KURU-ABALI, M.D., Assist. Prof. Ali BUTURAK, M.D., Assist. Prof. Aleks DEĞİRMENCİOĞLU, M.D., Instructor</p> <p><b>Cardiovascular Surgery:</b> Hasan KARABULUT, M.D., Prof. Şahin ŞENAY, M.D., Assoc. Prof.</p> <p><b>Family Medicine:</b> Efe ONGANER, M.D., Assist. Prof.</p> <p><b>Histology &amp; Embryology:</b> Serap ARBAK, Ph.D., Prof. Deniz YÜCEL, Ph.D., Assist. Prof.</p> <p><b>Infectious Disease:</b> Sesin KOCAGÖZ, M.D., Prof. Hülya KUŞOĞLU, M.D., Instructor</p> <p><b>Medical Biochemistry:</b> Mustafa SERTESER, M.D., Prof. Abdurrahman Coşkun, M.D., Assoc. Prof.</p> <p><b>Medical Biology:</b> Deniz AĞIRBAŞLI, M.D., Ph.D., Assist.</p> <p><b>Nuclear Medicine:</b> Ahmet Levent GÜNER, M.D., Assist. Prof.</p>					

<p><b>Academic Units &amp; Staff</b></p>	<p><b>Pathology:</b>          Ümit İNCE, M.D., Prof.          Hale KIRIMLIOĞLU, M.D., Assoc. Prof.</p> <p><b>Pediatrics:</b>          Alpay ÇELİKER, M.D., Prof.          Arda SAYGILI, M.D., Assoc. Prof.</p> <p><b>Pharmacology:</b>          İsmail Hakkı ULUS, M.D., Ph.D., Prof. :</p> <p><b>Physiology:</b>          Güldal SÜYEN, M.D., Ph.D., Prof.</p> <p><b>Public Health:</b>          Figen DEMİR, M.D., Assist. Prof.</p> <p><b>Radiology:</b>          Özlem BARUTÇU-SAYGILI, M.D., Assoc. Prof.          M. Erdem YILDIZ, M.D., Assist. Prof. :</p> <p><b>Affiliated Faculty:</b>  <b>Pharmacology</b>          Filiz ONAT, M.D., Prof.  <b>Pathology</b>          İlkser AKPOLAT, M.D., Prof.</p>
<p><b>Course Date</b></p>	<p>21.10.2013 - 25.11.2013</p>
<p><b>Educational Methods</b></p>	<p>Theoretical and practical lectures, discussions, seminars</p>
<p><b>Evaluation Methods</b></p>	<p>Theoretical and practical subject committee exams, skills and performance based assessment</p>
<p><b>Course Aims</b></p>	<p>This committee aims to provide necessary knowledge and skills about the evaluation of a patient, basic principles of diagnosis, therapy and prevention of the cardiovascular system disorders by integration of basic, clinical sciences.</p>
<p><b>Learning Outcomes</b></p>	<p>At the end of this committee the students will be able to;</p> <ul style="list-style-type: none"> <li>• Define anatomical structure of the heart, great vessels and distal arterial and venous vascular system.</li> <li>• Understand embryonic development of the cardiovascular system and histological ultrastructure of the myocardium, endocardium, pericardium and arterial and venous systems.</li> <li>• Describe the fundamentals of biophysics related to the cardiovascular functions.</li> <li>• Define the functions and regulation of the heart and circulatory system</li> <li>• Describe the imaging algorithm for cardiovascular disorders,</li> <li>• Explain the etiology, mechanisms and therapy of infectious diseases of the cardiovascular system,</li> <li>• Explain the pathological mechanisms and structure of the cardiovascular disorders,</li> <li>• Explain the pharmacokinetics and pharmacodynamics properties and mechanisms of actions of drugs used in prevention and treatments of cardiovascular disorders,</li> <li>• Describe the epidemiology and prevention of the cardiovascular disorders,</li> <li>• Learn biochemical laboratory markers of lipid metabolisms, homeostatic system, cardiac injuries, heart failure and atherosclerosis,</li> <li>• Learn genetics, biology and inheritance of the cardiovascular disease,</li> <li>• Explain how to approach to the patient with cardiovascular disorders in primary care and cardiac emergencies,</li> <li>• Take the history and make physical examination of cardiovascular system</li> <li>• Distinguish the normal and pathologic cardiovascular findings,</li> <li>• Describe the diagnostic principles of cardiovascular disorders,</li> <li>• Explain the principle approach and therapy of the cardiovascular diseases</li> <li>• Describe indications and principles of cardiovascular surgery</li> </ul>

Course Name	Code	Year	Semester	Theoretical (Hour)	145	Credit	ECTS
				Practical (Hour)	8		
<b>Nervous System and Related Disorders</b>	MED 305	3	Fall	<b>Preparation (Hour)</b>	55	11	8
<b>Educational Language</b>	English						
<b>Course Type</b>	Compulsory						
<b>Course Level</b>	Undergraduate						
<b>Year Coordinators</b>	Prof. İsmail Hakkı Ulus; ihakki.ulus@acibadem.edu.tr Prof. Güldal Süyen; guldal.suyen@acibadem.edu.tr						
<b>Course Chairs</b>	Assoc. Prof. Dilaver Kaya; dilaverka@yahoo.com. Assist. Prof. Deniz Yücel, deniz.yucel@acibadem.edu.tr						
<b>Academic Units &amp; Staff</b>	<p><b>Anatomy:</b> Alp BAYRAMOĞLU, M.D.,Ph.D., Prof. Elif Nedret KESKİNÖZ, Ph.D., Instructor</p> <p><b>Anesthesiology and Reanimation:</b> Sibel AKÖZER, M.D., Assoc. Prof. Serpil USTALAR ÖZGEN M.D., Assist. Prof.</p> <p><b>Biophysics:</b> Beki KAN, Ph.D., Prof.</p> <p><b>Family Medicine:</b> Pınar TOPSEVER, M.D., Assoc. Prof.</p> <p><b>Histology &amp; Embryology:</b> Deniz YÜCEL, Ph.D., Assist. Prof.</p> <p><b>Infectious Disease:</b> Sesin KOCAGÖZ, M.D., Prof. Tanıl KOCAGÖZ, M.D., Prof.</p> <p><b>Medical Biology:</b> Yavuz OKTAY, Ph.D., Assist. Prof.</p> <p><b>Medical Biochemistry:</b> Mustafa SERTESER, M.D., Prof.</p> <p><b>Neurology:</b> Fehim ARMAN, M.D., Prof. Ayşe Kocaman SAĞDUYU, M.D., Prof. Çiğdem DOĞULU, M.D., Assoc. Prof. Geysu KARLIKAYA, M.D., Assoc. Prof. Dilaver KAYA, M.D., Assist. Prof. Selda KORKMAZ, M.D., Assist. Prof. Elif ILGAZ AYDINLAR, M.D., Assist. Prof. Pınar YALINAY, M.D., Assist. Prof.</p> <p><b>Neurosurgery:</b> M. Necmettin PAMİR, M.D., Prof. Selçuk PEKER, M.D., Prof. Serdar ÖZGEN, M.D., Prof. Koray ÖZDUMAN, M.D., Assoc. Prof. H. İbrahim SUN, M.D., Assist. Prof.</p> <p><b>Nuclear Medicine:</b> Erkan VARDARELİ, M.D., Prof.</p>						

<b>Academic Units &amp; Staff</b>	<p><b>Otorhinolaryngology:</b> Hasan TANYERİ, M.D., Prof. Haluk ÖZKARAKAŞ, M.D., Prof. Levent ERİŞEN, M.D., Prof.</p> <p><b>Pathology:</b> Ümit İNCE, M.D., Prof. Hale KIRIMLIOĞLU, M.D., Assoc. Prof.</p> <p><b>Pediatrics:</b> Uğur IŞIK M.D., Assoc. Prof.</p> <p><b>Pharmacology:</b> İsmail Hakkı ULUS, M.D., Ph.D., Prof</p> <p><b>Physiology:</b> Güldal SÜYEN, M.D., Ph.D., Prof.</p> <p><b>Psychiatry:</b> Cem İNCESU, M.D., Prof. Kültegin ÖGEL, M.D., Prof. Burcu GÖKSAN YAVUZ, M.D., Assist. Prof</p> <p><b>Radiology:</b> Canan ERZEN, M.D., Prof. Ercan KARAARSLAN, M.D., Prof. Alp DİNÇER, M.D., Assoc. Prof. M. Erdem YILDIZ, M.D., Assist. Prof.</p> <p><b>Affiliated faculty:</b> <b>Neurosurgery:</b> Zafer BERKMAN, M.D., Prof.</p> <p><b>Pharmacology</b> Filiz ONAT, M.D. Prof.</p>
<b>Course Date</b>	26.11.2013- 08.01.2014
<b>Educational Methods</b>	Theoretical and practical lectures, discussions, seminars
<b>Evaluation Methods</b>	Theoretical and practical subject committee exams, skills and performance based assessment
<b>Course Aims</b>	This course aims to provide an integrated knowledge about the development, structure and physiology of the nervous system and pathogenesis of the disorders related to this system. At the end of this course, third year students will gain knowledge about the signs and symptoms of nervous system disorders, neurological examination, related risk factors, prevention, diagnosis and principles of treatment.
<b>Learning Outcomes</b>	<p>At the end of this course students will be able to</p> <ul style="list-style-type: none"> <li>• Explain the normal structure and function of nervous system</li> <li>• Explain the pathologic processes in neurological disorders</li> <li>• Describe the mechanisms of action of the nervous system related drugs</li> <li>• Define the risk factors related to neurological disorders</li> <li>• Describe signs and symptoms of neurological disorders,</li> <li>• Define the prevention of nervous system disorders, approach to diagnosis, principles of treatment</li> <li>• Take the history and make physical examination of neurological system</li> </ul>

Course Name	Code	Year	Semester	Theoretical (Hour)	92	Credit	ECTS
				Practical (Hour)	2		
<b>Growth, Development and Endocrine Disorders</b>	MED 307	3	FALL	<b>Preparation (Hour)</b>	40	7	5
<b>Educational Language</b>	English						
<b>Course Type</b>	Compulsory						
<b>Course Level</b>	Undergraduate						
<b>Year Coordinators</b>	Prof. İsmail Hakkı Ulus; ihakki.ulus@acibadem.edu.tr Prof. Güldal Süyen; guldal.suyen@acibadem.edu.tr						
<b>Committe Chairs</b>	Assoc.Prof. Işıl Pakiş; isil.pakis@acibadem.edu.tr Assist.Prof. Özlem Sezgin Meriçliler; ozlem.sezgin@acibadem.edu.tr						
<b>Academic Units &amp; Staff</b>	<p><b>Anatomy:</b> Elif Nedret KESKİNÖZ, M.Sc., Instructor</p> <p><b>Family Medicine:</b> Pınar TOPSEVER, M.D., Assoc. Prof. Efe ONGANER, M.D., Assist. Prof. Demet DİNÇ, M.D., Instructor</p> <p><b>Histology &amp; Embryology:</b> Serap ARBAK, Ph.D., Prof.</p> <p><b>Internal Medicine:</b> Şebnem AKTARAN, M.D., Prof. Rüştü SERTER, M.D., Prof. Ender ARIKAN, M.D., Assoc. Prof. Adnan GÖKÇEL, M.D., Assoc. Prof. Özlem SEZGİN MERİÇLİLER, M.D., Assist. Prof.</p> <p><b>Medical Biochemistry:</b> Aysel ÖZPINAR, D.V.M., Ph.D., Prof. Özge CAN, Ph.D., Assist. Prof.</p> <p><b>Medical Biology and Genetic:</b> Cengiz YAKICIER, M.D., Prof. Deniz AĞIRBAŞLI, M.D., Ph.D., Assist. Prof.</p> <p><b>Nuclear Medicine:</b> Levent GÜNER, M.D., Assist. Prof.</p> <p><b>Pathology:</b> Ümit İNCE, M.D., Prof. Özlem AYDIN, M.D., Assoc. Prof.</p> <p><b>Pediatrics:</b> Serap SEMİZ, M.D., Prof. Yasemin ALANAY, M.D., Assoc. Prof.</p>						

<b>Academic Units &amp; Staff</b>	<p><b>Pharmacology:</b> İsmail Hakkı ULUS, M.D., Ph.D., Prof</p> <p><b>Physiology:</b> Melike ŞAHİNER, M.D., Ph.D., Assist. Prof.</p> <p><b>Public Health:</b> Figen DEMİR, M.D., Assist. Prof.</p> <p><b>Radiology</b> Simay ALTAN KARA, M.D. Prof.</p> <p><b>Affiliated faculty:</b> Filiz ONAT, M.D. Prof.</p> <p><b>Family Medicine</b> Şirin PARKAN, M.D.</p> <p><b>Pathology</b> İlkser AKPOLAT, M.D., Prof.</p>
<b>Course Date</b>	08.01.2014-14.02.2014
<b>Educational Methods</b>	Theoretical and practical lectures, discussions, seminars
<b>Evaluation Methods</b>	Theoretical and practical subject committee exams, skills and performance based assessment
<b>Course Aims</b>	This subject committee aims to provide a broad overview of the field of growth, development, and endocrinology and the principles that are important for the diagnosis, management and prevention of endocrine disorders by complementing basic and clinical science approach.
<b>Learning Outcomes</b>	<p>At the end of this committee the students will be able to</p> <ul style="list-style-type: none"> <li>• Explain the normal organ structure of endocrine system</li> <li>• Explain the physiological effects of hormones</li> <li>• Define the basics of hormone synthesis, release, and action</li> <li>• Describe the hereditary basis of endocrine diseases</li> <li>• Define the pathological changes in the organ associated with endocrine system</li> <li>• Interpret the complex relationships of endocrine system with other organ systems and its effects upon development, growth, and metabolism</li> <li>• Define the radiological, nuclear medicine techniques and implement when necessary for the diagnosis and management of endocrine disorders</li> <li>• Define the pharmacokinetics and pharmacodynamic properties and mechanisms of actions of drugs used in prevention and treatment of the endocrine system disorders.</li> <li>• Describe the importance of endocrine diseases as a public health problem</li> </ul>

Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	Credit	ECTS	
			41			Practical (Hour)
Clinical Medicine and Professional Skills-V	<b>MED 309</b>	Fall	<b>Study Time (Hour)</b>	90	4	6

<b>Educational Language</b>	English
<b>Course Type</b>	Compulsory
<b>Course Level</b>	Undergraduate
<b>Year Coordinators</b>	Prof. İsmail Hakkı ULUS; ihakki.ulus@acibadem.edu.tr Prof. Güldal SÜYEN ; guldal.suyen@acibadem.edu.tr
<b>CMPS Coordinators</b>	Assoc. Prof. Pınar TOPSEVER pinar.topsever@acibadem.edu.tr Assist. Prof. Figen DEMİR, figen.demir@acibadem.edu.tr
<b>Academic Units &amp; Staff</b>	<p><b>Behavioral Science</b> Kültüregin ÖGEL, M.D., Prof.</p> <p><b>Cardiology</b> İlke SİPAHI, M.D., Prof. Ahmet AKYOL, M.D., Assoc. Prof. Tansu KARAAHMET, M.D., Assoc. Prof.</p> <p><b>Family Medicine</b> Pınar TOPSEVER, M.D., Assoc. Prof. Efe ONGANER, M.D., Assist. Prof. Demet DİNÇ, M.D., Instructor</p> <p><b>History of Medicine and Ethics</b> Yeşim Işıl ÜLMAN, Ph.D., Prof.</p> <p><b>Neurology</b> Ayşe KOCAMAN SAĞDUYU, M.D. Prof. Çiğdem DOĞULU, M.D., Assoc. Prof.</p> <p><b>Pediatrics</b> Yasemin ALANAY, M.D., Ph.D., Assoc. Prof.</p> <p><b>Physiology</b> Melike ŞAHİNER, M.D., Ph.D., Assist. Prof.</p> <p><b>Public Health</b> Nadi BAKIRCI, M.D., Ph.D, Prof. Figen DEMİR, M.D., Assist. Prof.</p> <p><b>Affiliated Faculty</b> Şirin PARKAN M.D. Şabah TÜZÜN, M.D.</p>
<b>Course Date</b>	23.10.2013 - 05.02.2014
<b>Educational Methods</b>	Theoretical and practical sessions, peer discussions, experiential learning, case studies and group presentations.
<b>Assessment Methods</b>	Written examination, case analyzing, and assignments.
<b>Course Aims</b>	<p>This course aims;</p> <p><b><i>Research in Health:</i></b> <b><i>Evidence Based Medicine (EBM)</i></b> <b><i>-Critical Appraisal of Medical Literature-</i></b> To create a learning opportunity for students to gain necessary knowledge and skills about basic introduction to the principles of Evidence-Based Practice in medicine, concerning the effective use of medical literature for the diagnosis and the treatment of their patients.</p> <p><b><i>Writing a scientific paper</i></b> To create a learning opportunity for students to gain knowledge and skills related to writing a scientific paper</p> <p><b><i>Advanced Communication Skills:</i></b> To enable students to effectively manage difficult situations and sensitive issues during medical interviews using appropriate communication skills</p>

## Learning Outcomes

By the end of this course, the students will be able to;

### **Research in Health:**

#### **Evidence Based Medicine (EBM)**

##### **-Critical Appraisal of Medical Literature-**

- define Evidence-Based Practice (EBP)
- identify EBP searching strategies
- define the hierarchy of evidence according to study type
- identify key questions that help evaluate the validity of the results of a study
- account key questions used in clinical trials and acquire skills for critically appraising the experimental studies,
- account key questions used in studies of harm and acquire skills for critically appraising the observational studies
- define validity (sensitivity, specificity, positive and negative predictive values) and reliability
- define confounding factors, and random error
- define and name the types of bias
- interpret study findings, p value and confidence interval Critically evaluate research methodologies and findings

##### **Advanced Communication Skills**

- be able to name the steps of the process of breaking bad news
- be able to demonstrate the key communication skills necessary for breaking bad news
- define “difficult patient”
- be aware of the function of communication skills for the management of “difficult patients”
- be able to demonstrate necessary communication skills to manage medical interviews with children, elderly, cognitively or sensory communication impaired individuals
- be able to manage patient emotions and difficult questions Be able to effectively communicate and manage needs of patients with different cultural and social background
- define and demonstrate communication skills necessary for managing patients in specific clinical contexts (e.g. Emergency Room, Critical Care Unit, Psychiatry)
- define and demonstrate communication skills necessary for managing the health care needs of terminal patients and their families and carers.
- be aware of the function of non-verbal communication and active listening skills for managing sensitive issues in medical interviews
- define “appropriate informed consent”
- demonstrate communication skills necessary to seek and obtain appropriate informed consent from patients and/or carers, even in difficult situations (e.g. seeking consent for organ donation)
- value the importance of a patient centered approach for seeking informed consent
- define the circle of behaviour change
- discuss and name methods and communication skills necessary to induce change of risky health behaviour (e.g. brief intervention, motivational interviewing)
- value the necessity to act as a positive role model and try to motivate and inspire colleagues when working in teams
- obtain key skills for team work:
- respect the skills and contributions of your colleagues
- communicate effectively with colleagues within and outside the team
- make sure that your patients and colleagues understand your role and responsibilities in the team, and who is responsible for each aspect of patient care
- participate in regular reviews and audit of the standards and performance of the team, taking steps to remedy any deficiencies
- support colleagues who have problems with performance, conduct or health.

##### **Skills related to the subject committee- Cardiovascular System and Related Disorders:**

- record and evaluate ECG
- measure systolic and diastolic by using sphygmomanometer.
- perform physical examination of peripheral arteries and veins.
- distinguish between pathological and normal cardiac sounds.

##### **Skills related to the subject committee- Nervous System and Related Disorders:**

- perform a detailed neurological physical examination

##### **Skills related to the subject committee-Growth, Development and Endocrine Disorders:**

- measure head circumference & height, obtain body-weight of infants and children and evaluate the values by percentile charts.

Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	18	Credit	ECTS
			Practical (Hour)	33		
Medical Informatics and Biomedical Technologies-II	<b>MED 311</b>	Fall and Spring	<b>Preparation (Hour)</b>	75	3	5
<b>Educational Language</b>	English					
<b>Course Type</b>	Compulsory					
<b>Course Level</b>	Undergraduate					
<b>Year Coordinators</b>	Prof. İsmail Hakkı Ulus; ihakki.ulus@acibadem.edu.tr Assoc. Prof. Nadi Bakırcı; nadi.bakirci@acibadem.edu.tr					
<b>Course Chairs</b>	Prof. Tanıl Kocagöz, tk05-k@tr.net Sinan Fındık, sinan.findik@acibadem.edu.tr					
<b>Academic Staff</b>	Fevzi TORAMAN, M.D, Prof. Haluk ÖZKARAKAŞ, M.D., Prof. Enis ÖZYAR, M.D., Prof. Erkan VARDARELİ, M.D., Prof. Orhan TARÇIN, M.D., Prof. Tayfun BAĞIŞ, M.D., Prof. Ömer Faruk ÜNAL, M.D., Prof. Mete GÜNGÖR, M.D., Prof. Eser VARDARELİ, M.D., Assoc. Prof. F. Seden ERTEN-ÇELİK, M.D., Assoc. Prof. Ahmet AKYOL, M.D., Assoc. Prof. Ülkem ÇAKIR, M.D., Assoc. Prof. Serkan ERKANLI, M.D. Assoc. Prof. Dilaver KAYA, M.D., Assist. Prof. Efe ONGANER, M.D., Assist. Prof. Evren KILINÇ, Ph.D., Assist. Prof. Devrim ÖZ ARSLAN, Ph.D., Assist. Prof. Ali BUTURAK, M.D., Assist. Prof. Deniz YÜCEL, Ph.D., Assist. Prof. Mehmet ERGEN, Ph.D., Assist. Prof. Ahmet Levent GÜNER, M.D., Assist. Prof. İlter TÜFEK, M.D., Assist. Prof.					
<b>Course Date</b>	01.11.2013-27.05.2014					
<b>Educational Methods</b>	Theoretical and Practical Courses, Discussions, Field Studies					
<b>Evaluation Methods</b>	Theoretical and Practical Examinations, Homeworks, Presentations, Discussions, Skills, Performance Based Assessment					
<b>Course Aims</b>	This course aims to provide necessary knowledge about technologies used in medicine for diagnosis and treatment. It aims to achieve this goal by giving information about the basic principles to which these technologies are based on and how these scientific principles are turned into diagnostic and therapeutic tools. It also aims to make students evaluate easier the results of medical tests obtained by the diagnostic instruments and stimulate thinking and discussing about developing these technologies and new application areas. This year's course also aims to apply the knowledge of bioinformatics obtained in previous years to various projects of medicine.					

<p><b>Learning Outcomes</b></p>	<p>By the end of this course, the students will be able to:</p> <ul style="list-style-type: none"> <li>• understand the principles of endoscopic systems used in the examination of respiratory, gastrointestinal and urogenital systems</li> <li>• describe the diagnostic and therapeutic applications of endoscopic systems</li> <li>• explain the scientific concepts that led to the development of imaging techniques like ultrasonography (US), echocardiography, computerized tomography (CT), magnetic resonance imaging (MRI)</li> <li>• understand the use of ventilators and other reanimation instruments</li> <li>• distinguish the similarities and differences between natural and artificial respiratory and circulatory systems</li> <li>• evaluate the results obtained by instruments like electrocardiography (ECG), electromyography (EMG) and electroencephalography (EEG) that measure the electrical activities of the systems and understand the relation between the electric signals and activities of various organ systems.</li> <li>• judge the differences and advantages between classical surgery techniques and robotic, stereotaxic and image-guided surgery</li> <li>• gain knowledge about radiotherapy instruments and their role in tumor treatment</li> <li>• compare the natural kidney functions to dialysis systems and artificial kidneys</li> <li>• understand how laser is used in therapeutic applications in medicine</li> <li>• perform medical research projects using their knowledge of bioinformatics.</li> </ul>
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Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	127	Credit	ECTS
			Practical (Hour)	10		
Gastrointestinal System and Related Disorders	MED 304	Fall	Preparation (Hour)	60	10	8
<b>Educational Language</b>	English					
<b>Course Type</b>	Compulsory					
<b>Course Level</b>	Undergraduate					
<b>Year Coordinators</b>	Prof. İsmail Hakkı Ulus; ihakki.ulus@acibadem.edu.tr Prof. Güldal Süyen; guldal.suyen@acibadem.edu.tr					
<b>Committe Chairs</b>	Assoc.Prof. Murat Saruç; murat.saruc@acibadem.edu.tr Inst.Elif Nedret KESKİNÖZ; elif.keskinoz@acibadem.edu.tr					
<b>Academic Units &amp; Staff</b>	<p><b>Anatomy:</b> Alp BAYRAMOĞLU, M.D., Ph.D, Prof. Elif Nedret KESKİNÖZ, Ph.D., Instructor</p> <p><b>Family Medicine:</b> Efe ONGANER, M.D., Assist. Prof. Demet DİNÇ, M.D., Instructor</p> <p><b>Internal Medicine:</b> Nurdan TÖZÜN, M.D., Prof. Murat SARUÇ, M.D., Prof. Arzu TİFTİKÇİ, M.D., Assoc. Prof. Eser VARDARELİ, M.D., Assoc. Prof. Orhan TARÇIN, M.D., Assoc. Prof. Bahattin ÇİÇEK, M.D. Assoc. Prof. Bülent DEĞERTEKİN, M.D., Assoc. Prof. Özdal ERSOY, M.D., Assist. Prof. Nurten TÜRKEKEL, M.D., Assist. Prof.</p> <p><b>Histology &amp; Embryology:</b> Serap ARBAK, Ph.D., Prof.</p> <p><b>Infectious Diseases:</b> Sesin KOCAGÖZ, M.D., Prof.</p> <p><b>Medical Biology:</b> Cengiz YAKICIER, M.D., Assoc. Prof.</p> <p><b>Medical Biochemistry:</b> Mustafa SERTESER, M.D., Assoc. Prof. Abdurrahman COŞKUN, M.D., Assoc. Prof. Özge CAN, Ph.D., Assist. Prof.</p> <p><b>Medical Microbiology:</b> Tanıl KOCAGÖZ, M.D., Ph.D., Prof. Özgür KURT, M.D., Ph.D. Assoc. Prof.</p> <p><b>Pathology:</b> Ümit İNCE, M.D., Prof. Özlem AYDIN, M.D., Assoc. Prof. Hale KIRIMLIOĞLU, M.D. Assoc.Prof Yeşim SAĞLICAN, M.D</p>					

<p><b>Academic Units &amp; Staff</b></p>	<p><b>Pediatrics:</b> Cengiz CANPOLAT, M.D., Prof. Yasemin ALANAY, M.D., Assoc. Prof. Ebru TUĞRUL SARIBEYOĞLU, M.D., Assist. Prof. Müjde ARAPOĞLU, M.D., Assist. Prof.</p> <p><b>Pediatric Surgery:</b> K.Latif ABBASOĞLU, M.D., Prof.</p> <p><b>Pharmacology:</b> İsmail Hakkı ULUS, M.D., Ph.D., Prof</p> <p><b>Physiology:</b> Mehmet ERGEN, Ph.D., Assist. Prof.</p> <p><b>Public Health:</b> Figen DEMİR, M.D., Assist. Prof.</p> <p><b>Radiology:</b> Ümit AKSOY ÖZCAN, M.D. Assist. Prof. Erdem YILDIZ, M.D., Assist. Prof. Sıla ULUS, M.D., Assist. Prof.</p> <p><b>Affiliated Faculty:</b></p> <p><b>Family Medicine</b> Şirin PARKAN, M.D.</p> <p><b>Internal Medicine</b> Çağlar BAYSAL, M.D. Assoc. Prof.</p> <p><b>Pharmacology</b> Filiz ONAT, M.D. Prof.</p> <p><b>Pathology</b> İlker AKPOLAT, M.D., Prof.</p> <p><b>Pediatrics</b> Mahir GÜLCAN, M.D.</p>
<p><b>Course Date</b></p>	<p>03.03.2014-21.04.2014</p>
<p><b>Educational Methods</b></p>	<p>Theoretical and practical lectures, discussions, seminars</p>
<p><b>Evaluation Methods</b></p>	<p>Theoretical and practical subject committee exams, skills and performance based assessment</p>
<p><b>Course Aims</b></p>	<p>This course aims to provide necessary knowledge about the Gastrointestinal System disorders, basic mechanisms of digestion, the development and structure of the digestive system organs, the metabolism of nutrients and related diseases. In this context the normal and abnormal functions of the GI system are discussed to make a basis for problem solving in clinical presentation, diagnosis, prevention and treatment of gastrointestinal and liver diseases.</p>
<p><b>Learning Outcomes</b></p>	<p>By the end of this committee, the students will be able to:</p> <ul style="list-style-type: none"> <li>• Explain the anatomy of gastrointestinal system.</li> <li>• Explain the physiology of gastrointestinal system</li> <li>• Explain the pathologic processes of gastrointestinal system and related organs in children and adults</li> <li>• Explain the molecular and genetic basis of digestive organ cancers</li> <li>• Explain the pharmacokinetics and pharmacodynamic properties and mechanisms of actions of drugs used in prevention and treatment of the endocrine system disorders.</li> <li>• Explain the pathogenesis, clinical signs and symptom and therapy of infectious gastroenteritis and food poisoning</li> <li>• Describe the epidemiology and prevention of food and water borne diseases</li> <li>• Explain the metabolism and transport of nutrients</li> <li>• Describe the gastric, intestinal, liver and pancreatic tests and the bilirubin mechanism</li> <li>• Name and indicate the etiologies and clinics of gastrointestinal diseases in children</li> <li>• Explain the prevention and management of digestive disease as a primary care provider</li> <li>• Name the imaging modalities and algorithm of the gastrointestinal disease</li> <li>• Explain the clinical features, diagnostic approaches and treatment modalities of gastrointestinal disease</li> </ul>

Course Name	Code	Year	Semester	Theoretical (Hour)	112	Credit	ECTS
				Practical (Hour)	21		
Urogenital System and Related Disorders	MED 306	3	Spring	Preparation (Hour)	70	9	8

<b>Educational Language</b>	English
<b>Course Type</b>	Compulsory
<b>Course Level</b>	Undergraduate
<b>Year Coordinators</b>	Prof. İsmail Hakkı Ulus; ihakki.ulus@acibadem.edu.tr Prof. Güldal Süyen; guldal.suyen@acibadem.edu.tr
<b>Course Chairs</b>	Assoc. Prof. Cem Batukan; cem.batukan@acibadem.edu.tr Assist. Prof. Deniz Ağırbaşlı; deniz.agirbasli@acibadem.edu.tr
<b>Academic Units &amp; Staff</b>	<p><b>Anatomy:</b> Alp BAYRAMOĞLU, M.D. Ph.D., Prof. Elif Nedret KESKİNÖZ, Ph.D., Instructor</p> <p><b>Family Medicine:</b> Pınar TOPSEVER, M.D., Assoc. Prof. Demet DİNÇ, M.D., Instructor</p> <p><b>Gynecology &amp; Obstetrics:</b> Metem GÜNGÖR, M.D., Prof. Tayfun BAĞIŞ, M.D., Prof. Tansu KÜÇÜK, M.D., Prof. Özlem PATA, M.D., Assoc. Prof. A. Cem BATUKAN, M.D., Assoc. Prof. Serkan ERKANLI, M.D., Assoc. Prof. Derya EROĞLU, M.D., Assoc. Prof. İbrahim BİLDİRİCİ, M.D., Assoc. Prof.</p> <p><b>Histology &amp; Embryology:</b> Serap ARBAK, Ph.D., Prof. Deniz YÜCEL, Ph.D., Assist. Prof.</p> <p><b>Infectious Diseases:</b> Tanıl KOCAGÖZ, M.D., Ph.D., Prof. Sesin KOCAGÖZ, M.D., Prof.</p> <p><b>Medical Biology:</b> Cengiz YAKICIER, M.D., Assoc. Prof. Cemaliye AKYERLİ BOYLU, Ph.D., Assist. Prof. Yavuz OKTAY, Ph.D., Assist. Prof.</p> <p><b>Medical Biochemistry:</b> Aysel ÖZPINAR, D.V.M., Ph.D., Prof. Abdurrahman COŞKUN, M.D., Assoc. Prof.</p> <p><b>Nephrology:</b> N. Ülkem ÇAKIR, M.D., Assoc. Prof.</p> <p><b>Nuclear Medicine:</b> Levent GÜNER, M.D., Assist. Prof.</p> <p><b>Pathology:</b> Handan ZEREN, M.D., Prof. Özlem AYDIN, M.D., Assoc. Prof. Hale KIRIMLIOĞLU, M.D., Assoc. Prof. Yeşim SAĞLICAN, M.D.</p> <p><b>Pediatrics:</b> Gamze BERKET, M.D., Assist. Prof.</p>

<p><b>Academic Units &amp; Staff</b></p>	<p><b>Pharmacology:</b> İsmail Hakkı ULUS, M.D., Ph.D., Prof.</p> <p><b>Physiology:</b> Güldal SÜYEN, M.D., Ph.D., Prof.</p> <p><b>Public Health:</b> Figen DEMİR, M.D., Assist. Prof.</p> <p><b>Radiology:</b> Ümit ÖZCAN, M.D., Assist. Prof. M. Erdem YILDIZ, M.D., Assist Prof.</p> <p><b>General Surgery:</b> Neslihan CABIOĞLU, M.D., Assoc. Prof.</p> <p><b>Urology:</b> Hakan ÖZVERİ, M.D., Assist. Prof. Bora ÖZVEREN, M.D., Assist. Prof. Enis Rauf COŞKUNER, M.D., Assist. Prof. Selçuk KESKİN, M.D., Assist. Prof. İsmail Cenk ACAR, M.D., Assist Prof. İlter TÜFEK, M.D., Assist. Prof. Burak ÖZKAN, M.D., Assist. Prof.</p> <p><b>Affiliated Faculty:</b> Filiz ONAT, M.D. Prof. Şirin PARKAN, M.D.</p>
<p><b>Course Date</b></p>	<p>22.04.2014-16.06.2014</p>
<p><b>Educational Methods</b></p>	<p>Theoretical and practical lectures, discussions, seminars</p>
<p><b>Evaluation Methods</b></p>	<p>Theoretical and practical subject committee exams, skills and performance based assessment</p>
<p><b>Course Aims</b></p>	<p>The aim of the course is to provide an integrated knowledge about the development, structure, genetics and physiology of the urinary system and male and female genital systems and evaluate the etiology and pathogenesis of the related diseases. We also aim to outline the general aspects of pregnancy, reproductive endocrinopathies, benign, and malign conditions of genital systems and point out the importance of urinary tract pathologies.</p>
<p><b>Learning Outcomes</b></p>	<ul style="list-style-type: none"> <li>• Review the anatomy, histology and physiology of the male and female urogenital systems and pelvis</li> <li>• Assess and classify the pathologic changes related to urogenital disease.</li> <li>• Recognize the pharmacological properties of agents used for treatment of urogenital system disorders</li> <li>• Recognize the pathophysiology of urologic diseases and cardinal presenting symptoms, including symptoms related to urolithiasis, infection, and urologic malignancies,</li> <li>• Become familiar with the general diagnostic approach and various diagnostic modalities related to common urologic and gynecologic problems</li> <li>• Define etiological and risk factors of male and female urogenital tract infectious disease</li> <li>• Relate the main problems of obstetrics and gynecology from perspectives of Family Medicine and Public Health.</li> <li>• Describe the physiology of pregnancy and how to manage normal and high-risk pregnancies with introduction to genetic counseling</li> <li>• Recognize genetic basis of hereditary urogenital system and breast diseases</li> <li>• Explain how to approach to the patient with urogenital symptoms in primary care</li> <li>• Outline the principles of antenatal care and list routine tests of pregnancy</li> <li>• Describe early stages of development and physiological changes of pregnancy</li> <li>• Describe the physiology of normal labor and delivery</li> <li>• Describe physiological changes in the puerperium</li> <li>• Define methods of female contraception and explain their mechanism of action</li> <li>• Recognize basic principles of renal physiology and interpretation of renal function tests. Classify renal pathologies with emphasis on hypertension, renal failure and acid-base status.</li> <li>• Explain the anatomy and the classification of benign and malign conditions of the breast</li> </ul>

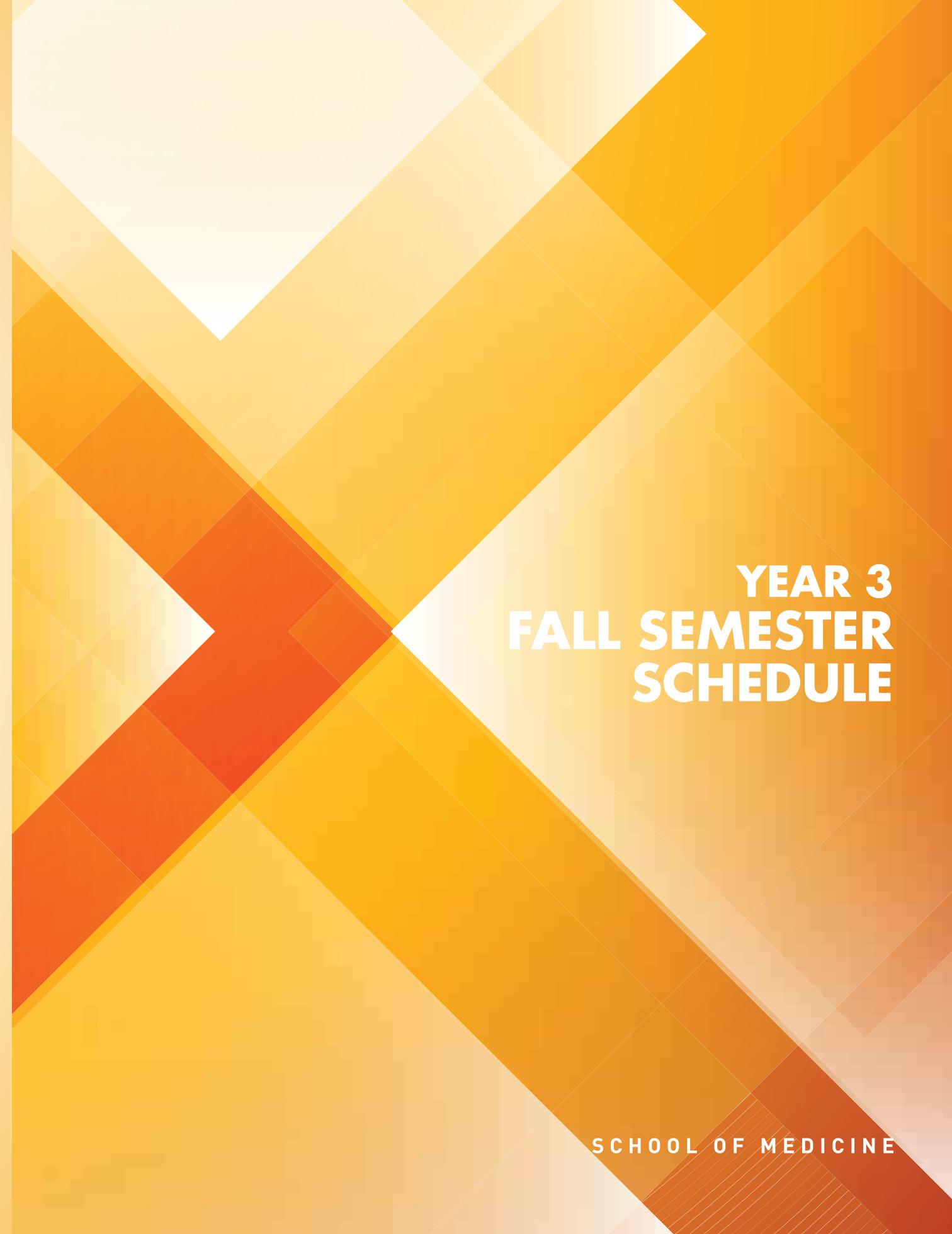
Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	20	Credit	ECTS
			Practical (Hour)	69		
<b>Clinical Medicine and Professional Skills-VI</b>	<b>MED 308</b>	<b>Spring</b>	<b>Study Time (Hour)</b>	<b>105</b>	<b>5</b>	<b>8</b>
<b>Educational Language</b>	English					
<b>Course Type</b>	Compulsory					
<b>Course Level</b>	Undergraduate					
<b>Year Coordinators</b>	Prof. İsmail Hakkı Ulus; ihakki.ulus@acibadem.edu.tr Prof. Güldal Süyen; guldal.suyen@acibadem.edu.tr					
<b>CMPS Coordinators</b>	Assoc. Prof. Pınar Topsever; pinar.topsever@acibadem.edu.tr Assist. Prof. Figen Demir; figen.demir@acibadem.edu.tr					
<b>Academic Units &amp; Staff</b>	<p><b>Family Medicine</b> Pınar TOPSEVER, M.D., Assoc. Prof. Efe ONGANER, M.D., Assist. Prof. Demet DİNÇ, M.D., Instructor</p> <p><b>Gynecology &amp; Obstetrics:</b> A. Cem BATUKAN, M.D., Assoc. Prof</p> <p><b>Internal Medicine:</b> Arzu TİFTİKÇİ, M.D. Assoc. Prof. Özdal ERSOY, M.D.</p> <p><b>Physiology</b> Melike ŞAHİNER, M.D., Ph.D., Assist. Prof.</p> <p><b>Public Health</b> Nadi BAKIRCI, M.D., Ph.D, Assoc. Prof. Figen DEMİR, M.D., Assist. Prof.</p> <p><b>Affiliated Faculty</b> Hacer ÖZGEN NARCI, Ph.D., Prof. Yeşim YAŞIN, MSc. Şirin PARKAN, M.D.</p> <p><b>Affiliated Faculty (Field Educators)</b> Senem Aslan TANGÜREK, M.D. Erkan KAPAKLI, M.D. Ali Osman ÖZTÜRK, M.D. Özden Öztürk ALTAN, M.D. Zerrin KURŞUN, M.D. Dolunay DEMİRDAMAR GELGİN, M.D. Bayram AKMAN, M.D. Erhan SAYALI, M.D. Emrah KIRIMLI, M.D. Şenol GÜMÜŞDERE, M.D.</p>					
<b>Course Date</b>	05.03.2014 - 04.06.2014					
<b>Educational Methods</b>	Working in PHC and hospitals, group presentations and discussions, reflective and peer group learning experiences, interactive lectures and self-directed learning sessions					
<b>Assessment Methods</b>	Written examination, log-books, performance assessment					

<p><b>Course Aims</b></p>	<p>This course aims to;</p> <p><b><i>Health and Society: Practice in Primary Health Care and Hospital</i></b>          Consolidate, and transfer prior learning into the primary health care setting and practice of them.</p> <p><b><i>Comprehensive Medical Practice</i></b>          Create an opportunity for the students to demonstrate the competence of combining clinical and procedural skills with biomedical knowledge and good professional conduct for individual patient care in daily medical practice</p>
<p><b>Learning Outcomes</b></p>	<p>By the end of this course, the students will;</p> <p><b><i>Health and Society: Practice in Primary Health Care and Hospital</i></b></p> <ul style="list-style-type: none"> <li>• observe the social, cultural economic and political factors of health and illness in the primary health care system</li> <li>• develop familiarity with practice of health care in the primary care setting</li> <li>• awareness of the extension of primary health care services</li> <li>• identify and explore the key requirements in primary health care practice</li> <li>• practice in history taking (anamnesis) and basic physical examination</li> <li>• communicate effectively with patients, their relatives/carers to collect and to give information</li> <li>• practice in consultative and scholar communication skills</li> <li>• inform and educate patients and their families</li> <li>• observe the sensitive, effective and a cultural appropriate communication between physician and patient</li> <li>• observe the characteristics of the doctor patient relationship concerning its ambivalent and asymmetric features</li> <li>• observe the working physician concerning patient participation in medical decisions and obtaining informed consent</li> <li>• practice concerning to develop an awareness of safety of self, patients, in primary care settings</li> <li>• observe and practice in hand washing, disinfection, HLD and sterilization.</li> </ul> <p><b><i>Comprehensive Medical Practice</i></b></p> <ul style="list-style-type: none"> <li>• demonstrate a comprehensive performance of clinical communication skills, physical examination skills, procedural skills together with clinical and ethical reasoning during simulated patient encounters (or on models, where applicable)</li> </ul> <p><b><i>Skills related to the subject committee- Gastrointestinal System and Related Disorders:</i></b></p> <ul style="list-style-type: none"> <li>• perform a detailed physical examination of the abdomen</li> </ul> <p><b><i>Skills related to the subject committee- Urogenital System and Related Disorders:</i></b></p> <ul style="list-style-type: none"> <li>• perform a gynecological and obstetric exam in a simulated environment</li> <li>• obtain a pap smear in a simulated environment</li> </ul>





ACIBADEM  
UNIVERSITY



**YEAR 3  
FALL SEMESTER  
SCHEDULE**

SCHOOL OF MEDICINE

### 21.10.2013 MONDAY

08:30 – 09:10		
09:20 – 10:00	Introduction to the Year 3	İsmail Hakkı Ulus, Güldal Süyen
10:10 – 10:50	Introduction to Subject Committee: Cardiovascular system and related disorders	Sinan Dağdelen, Mehmet Ergen
10:00 – 11:40	Heart and pericardium	Elif Keskinöz
11:50 – 12:30	Heart and pericardium	Elif Keskinöz
13:30 – 14:10	Heart and pericardium	Elif Keskinöz
14:20 – 15:00	Heart and pericardium	Elif Keskinöz
15:10 – 15:50	The heart as a pump	Güldal Süyen
16:00 – 16:40	Study time	

### 22.10.2013 TUESDAY

08:30 – 09:10	Basic concepts of fluid flow: Pressure, Pascal's law, Poiseuille's law	Beki Kan
09:20 – 10:00	LAB- Heart and pericardium _ Group A	Elif Keskinöz
10:10 – 10:50	LAB- Heart and pericardium _ Group A	Elif Keskinöz
11:00 – 11:40	LAB- Heart and pericardium _ Group B	Elif Keskinöz
11:50 – 12:30	LAB- Heart and pericardium _ Group B	Elif Keskinöz
13:30 – 14:10	Large vessels and blood circulation	Elif Keskinöz
14:20 – 15:00	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen

### 23.10.2013 WEDNESDAY

08:30 – 09:10	Study time	
09:20 – 10:00	Cardiac cycle	Güldal Süyen
10:10 – 10:50	Cardiac cycle	Güldal Süyen
11:00 – 11:40	CMPS V: Research in Health /Evidence Based Medicine (EBM)	Figen Demir
11:50 – 12:30	<i>Introduction to the principles of evidence based medicine</i>	Pınar Topsever
13:30 – 14:10	LAB: Large vessels and blood circulation _ Group A	Elif Keskinöz
14:20 – 15:00	LAB: Large vessels and blood circulation _ Group B	Elif Keskinöz
15:10 – 15:50	Physiological principles of heart sounds	Güldal Süyen
16:00 – 16:40	Rhythmical excitation of the heart	Güldal Süyen

### 24.10.2013 THURSDAY

08:30 – 09:10	Histology of heart and blood vessels	Deniz Yücel
09:20 – 10:00	LAB- Histology of heart and blood vessels _ Group A	Deniz Yücel
10:10 – 10:50	LAB- Histology of heart and blood vessels _ Group B	Deniz Yücel
11:00 – 11:40	Rhythmical excitation of the heart	Güldal Süyen
11:50 – 12:30	Regulation of cardiac functions	Güldal Süyen
13:30 – 14:10		Evren Kılınç
14:20 – 15:00	Equation of continuity, Kinetic energy associated with blood: Bernoulli's law	Evren Kılınç
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen

### 25.10.2013 FRIDAY

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Opening Ceremony	
11:00 – 11:40	Opening Ceremony	
11:50 – 12:30	Opening Ceremony	
13:30 – 14:10	Lipoprotein metabolism and hyperlipidemias	Mustafa Serteser
14:20 – 15:00	Lipoprotein metabolism and hyperlipidemias	Mustafa Serteser
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

28.10.2013 MONDAY		
08:30 – 09:10	Study time	
09:20 – 10:00	Biophysics of blood vessel systems, Laplace's law	Beki Kan
10:10 – 10:50	Pressure drop, resistance of vascular beds	Beki Kan
11:00 – 11:40	Development of cardiovascular system	Serap Arbak
11:50 – 12:30	Development of cardiovascular system	Serap Arbak
<b>REPUBLIC DAY</b>		

29.10.2013 TUESDAY		
<b>REPUBLIC DAY</b>		

30.10.2013 WEDNESDAY		
08:30 – 09:10	Regulation of blood flow	Güldal Süyen
09:20 – 10:00	Regulation of blood flow	Güldal Süyen
10:10 – 10:50	Drugs altering cholinergic neurotransmission in the cardiovascular system	İsmail Hakkı Ulus
11:00 – 11:40	Drugs altering catecholaminergic neurotransmission in the cardiovascular system	İsmail Hakkı Ulus
11:50 – 12:30	Circulation through special regions	Güldal Süyen
13:30 – 14:10	Regulation of blood pressure	Güldal Süyen
14:20 – 15:00	Regulation of blood pressure	Güldal Süyen
15:10 – 15:50	Cardiovascular history and symptoms	Şevket Görgülü
16:00 – 16:40	Physical examination in cardiology	Şevket Görgülü

31.10.2013 THURSDAY		
08:30 – 09:10	Electrical fields, potential, potential at a point	Evren Kılınç
09:20 – 10:00	Physiological principles of ECG	Güldal Süyen
10:10 – 10:50	Physiological principles of ECG	Güldal Süyen
11:00 – 11:40	Cardiac diagnostic tests: Echocardiography and stress tests; ECG, Cardiac catheterization and coronary angiography <b>(MI-BT)</b>	Ali Buturak, Seden Erten-Çelik,
11:50 – 12:30		Ahmet Akyol
13:30 – 14:10	Clinical anatomo-physiopathology of the heart	Gülcan Abalı
14:20 – 15:00	Topographic anatomy of the cardiovascular system	Gülcan Abalı
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçiöglü, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçiöglü, P. Owen

01.11.2013 FRIDAY		
08:30 – 09:10	Basic principles of ECG <b>(MI-BT)</b>	Evren Kılınç
09:20 – 10:00	ECG: atrial & ventricular basic pathologies, ectopic beats, tachycardias	Ahmet Akyol
10:10 – 10:50	ECG: bradycardia and heart blocks	Ergün Seyfeli
11:00 – 11:40	Artificial respiratory and circulatory systems <b>(MI-BT)</b>	Efe Onganer
11:50 – 12:30	Ventilatory and other reanimation unit instruments <b>(MI-BT)</b>	Efe Onganer
13:30 – 14:10	Study time	
14:20 – 15:00	Medical Informatics and Biomedical Technologies <b>(MI&amp;BT)-II</b>	
15:10 – 16:40	<b>Group A:</b> Cardiac diagnostic tests: ECG, Echocardiography and stress test, Cardiac catheterization and coronary angiography Ali Buturak, Seden Erten-Çelik, Ahmet Akyol	<b>Group B:</b> Ventilation and other re-animation equipments, Artificial respiratory systems Fevzi Toraman

04.11.2013 MONDAY		
08:30 – 09:10	CMPS-V: Skills related to the Subject Committee-I: ECG recording and evaluation	Ahmet Akyol
09:20 – 10:00	CMPS-V: Skills related to the Subject Committee-I: ECG recording and evaluation	Ahmet Akyol
10:10 – 10:50	CMPS-V: Skills related to the Subject Committee-I: ECG recording and evaluation	Ahmet Akyol
11:00 – 11:40	CMPS-V: Skills related to the Subject Committee-I: ECG recording and evaluation	Ahmet Akyol
11:50 – 12:30	CMPS-V: Skills related to the Subject Committee-I: ECG recording and evaluation	Ahmet Akyol
13:30 – 14:10	Cardiac pacemakers	Evren Kılınc
14:20 – 15:00	Laboratory approach to hemostasis, thrombosis and fibrinolysis	Mustafa Serteser
15:10 – 15:50	Laboratory approach to hemostasis, thrombosis and fibrinolysis	Mustafa Serteser
16:00 – 16:40	The role of gravity in circulation	Beki Kan
05.11.2013 TUESDAY		
08:30 – 09:10	Drugs affecting vasopressin and the renin-angiotensin system	İsmail Hakkı Ulus
09:20 – 10:00	Drugs affecting vasopressin and the renin-angiotensin system	İsmail Hakkı Ulus
10:10 – 10:50	Vascular events and atherosclerosis	Mustafa Serteser
11:00 – 11:40	Vascular events and atherosclerosis	Mustafa Serteser
11:50 – 12:30	Laboratory approach to heart failure and cardiac injury	Mustafa Serteser
13:30 – 14:10	Laboratory approach to heart failure and cardiac injury	Mustafa Serteser
14:20 – 15:00	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
06.11.2013 WEDNESDAY		
08:30 – 09:10	Drugs affecting the NO system	İsmail Hakkı Ulus
09:20 – 10:00	Atherosclerosis and hypertensive vascular diseases	İlker Akpolat
10:10 – 10:50	Atherosclerosis and hypertensive vascular diseases	İlker Akpolat
11:00 – 11:40	CMPS V: Research in Health /EBM	Figen Demir
11:50 – 12:30	<i>Error sources in epidemiological studies-1</i>	Pınar Topsever
13:30 – 14:10	Pathophysiology of heart failure	Seden Erten Çelik
14:20 – 15:00	Right and left heart failure: diagnosis and treatment	Ahmet Duran Demir
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	
07.11.2013 THURSDAY		
08:30 – 09:10	Study time	
09:20 – 10:00	Study time	
10:10 – 10:50	Study time	
11:00 – 11:40	Study time	
11:50 – 12:30	Study time	
13:30 – 14:10	Study time	
14:20 – 15:00	Study time	
15:10 – 15:50	<b>MED 303 MID-COMMITTEE EXAMINATION</b>	
16:00 – 16:40	Study time	
08.11.2013 FRIDAY		
08:30 – 09:10	Systemic hypertension: mechanisms and diagnosis	İlke Sipahi
09:20 – 10:00	Vascular biology and atherosclerosis	İlke Sipahi
10:10 – 10:50	Drug treatment of heart failure	Filiz Onat
11:00 – 11:40	Drug treatment of hypertension	Filiz Onat
11:50 – 12:30	Drug treatment of hypertension	Filiz Onat
13:30 – 14:10	Study time	
14:20 – 15:00	Medical Informatics and Biomedical Technologies (MI&BT)-II	
15:10 – 16:40	<b>Group B:</b> Cardiac diagnostic tests: ECG, Echocardiography and stress tests, Cardiac catheterization and coronary angiography Ali Buturak, Seden Erten-Çelik, Ahmet Akyol	<b>Group A:</b> Ventilation and other re-animation equipments, Artificial respiratory systems Fevzi Toraman

11.11.2013 MONDAY		
08:30 – 09:10	Study time	
09:20 – 10:00	Cyanosis	Alpay Çeliker
10:10 – 10:50	Congenital Heart Diseases	Alpay Çeliker
11:00 – 11:40	Congenital Heart Diseases	Alpay Çeliker
11:50 – 12:30	Fetal cardiology	Arda Saygılı
13:30 – 14:10	Ischemic heart disease	İlker Akpolat
14:20 – 15:00	Ischemic heart disease	İlker Akpolat
15:10 – 15:50	Coronary blood flow and myocardial ischemia	Aleks Değirmencioğlu
16:00 – 16:40	Myocardial infarction: mechanisms and diagnosis	Mustafa Kemal Batur
12.11.2013 TUESDAY		
08:30 – 09:10	Study time	
09:20 – 10:00	Drug treatment of myocardial ischemia	İsmail Hakkı Ulus
10:10 – 10:50	Drug treatment of myocardial ischemia	İsmail Hakkı Ulus
11:00 – 11:40	Cardiac infections	Sesin Kocagöz
11:50 – 12:30	Cardiac infections	Sesin Kocagöz
13:30 – 14:10	Rheumatic fever	Arda Saygılı
14:20 – 15:00	Medical English - Journal Club	L. Angelo, G. Çiftçioğlu, P. Owen
15:10 – 15:50	Medical English - Journal Club	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English - Journal Club	L. Angelo, G. Çiftçioğlu, P. Owen
13.11.2013 WEDNESDAY		
08:30 – 09:10	Study time	
09:20 – 10:00	Blood stream invasion and sepsis	Hülya Kuşoğlu
10:10 – 10:50	Blood stream invasion and sepsis	Hülya Kuşoğlu
11:00 – 11:40	CMPS V: Research in Health /EBM	Figen Demir
11:50 – 12:30	<i>Error sources in epidemiological studies-2</i>	
13:30 – 14:10	Lipoprotein disorders and cardiovascular diseases	Ahmet Duran Demir
14:20 – 15:00	Hemostasis, thrombosis, fibrinolysis and cardiovascular disease	Ali Buturak
15:10 – 15:50	Approach to the patient with emergency chest pain	Sinan Dağdelen
16:00 – 16:40	Coronary heart disease: Primary prevention	Ergün Seyfeli
14.11.2013 THURSDAY		
08:30 – 09:10	Study time	
09:20 – 10:00	Drug treatment of atherosclerosis- hypercholesterolemia and dyslipidemia	İsmail Hakkı Ulus
10:10 – 10:50	Drug treatment of atherosclerosis- hypercholesterolemia and dyslipidemia	İsmail Hakkı Ulus
11:00 – 11:40	Vasculitis	Hale Kırımlioğlu
11:50 – 12:30	Vasculitis	Hale Kırımlioğlu
13:30 – 14:10	Pathology of valvular heart diseases	Ümit İnce
14:20 – 15:00	Pathology of valvular heart diseases	Ümit İnce
15:10 – 15:50	Cardiovascular implant technology (MI-BT)	Deniz Yücel
16:00 – 16:40	Cardiovascular implant technology (MI-BT)	Deniz Yücel
15.11.2013 FRIDAY		
08:30 – 09:10	Valvular heart diseases	Seden Erten Çelik
09:20 – 10:00	Drug treatment of cardiac arrhythmia	Filiz Onat
10:10 – 10:50	Atrial and ventricular fibrillation	Ahmet Akyol
11:00 – 11:40	Hypotension and syncope: mechanisms and diagnosis	Tuğrul Norgaz
11:50 – 12:30	Aortic diseases	Tuğrul Norgaz
13:30 – 14:10	Cardiac shock	Tansu Karaahmet
14:20 – 15:00	Cardiomyopathies	Tansu Karaahmet
15:10 – 15:50	Clinical evaluation of hereditary cardiovascular diseases	Aleks Değirmencioğlu
16:00 – 16:40	ECG: ischemia, injury ,necrosis	Sinan Dağdelen

**18.11.2013 MONDAY**

08:30 – 09:10	Study time	
09:20 – 10:00	Pulmonary hypertension	Alpay Çeliker
10:10 – 10:50	Genetic and metabolic cardiomyopathies	Alpay Çeliker
11:00 – 11:40	Genetics of cardiovascular diseases	Deniz Ağırbaşı
11:50 – 12:30	Diseases of the arterial and venous system	Ali Buturak
13:30 – 14:10	Pericardial diseases	Mustafa Kemal Batur
14:20 – 15:00	Radiology of the cardiac system	Özlem Saygılı Barutçu
15:10 – 15:50	Radiology of the cardiac system	Özlem Saygılı Barutçu
16:00 – 16:40	Introduction to surgical management of adult cardiovascular heart diseases	Şahin Şenay

**19.11.2013 TUESDAY**

08:30 – 09:10	Study time	
09:20 – 10:00	Epidemiology and prevention of cardiovascular diseases	Figen Demir
10:10 – 10:50	Epidemiology and prevention of cardiovascular diseases	Figen Demir
11:00 – 11:40	Radiology of the vascular system	Erdem Yıldız
11:50 – 12:30	Radiology of the vascular system	Erdem Yıldız
13:30 – 14:10	Nuclear Cardiology	Levent Güner
14:20 – 15:00	Approach to CVDs in PHC	Efe Onganer
15:10 – 15:50	Approach to the patient with chest pain in primary care	Efe Onganer
16:00 – 16:40	General Principles of CV Surgery	Hasan Karabulut

**20.11.2013 WEDNESDAY**

08:30 – 09:10		
09:20 – 10:00	CMPS-V: Skills Related to Subject Committee	Tansu Karaahmet, Ahmet Akyol
10:10 – 10:50		
11:00 – 11:40	<i>Peripheral artery &amp; vein exam, BP measurement</i>	
11:50 – 12:30		
13:30 – 14:10	CMPS-V: Skills Related to Subject Committee	Tansu Karaahmet, Ahmet Akyol
14:20 – 15:00		
15:10 – 15:50	<i>Cardiac auscultation</i>	
16:00 – 16:40		

**21.11.2013 THURSDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**22.11.2013 FRIDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

25.11.2013 MONDAY

MED 303 SUBJECT COMMITTEE PRACTICAL AND THEORETICAL EXAMINATION

26.11.2013 TUESDAY

08:30 – 09:10	Study time	
09:20 – 10:00	Introduction to Subject Committee: Nervous system and related disorders	Dilaver Kaya, Deniz Yücel
10:10 – 10:50	Spinal cord anatomy	Alp Bayramoğlu
11:00 – 11:40	Vessels of central nervous system	Alp Bayramoğlu
11:50 – 12:30	Medulla oblongata	Alp Bayramoğlu
13:30 – 14:10	Pons	Elif Keskinöz
14:20 – 15:00	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen

27.11.2013 WEDNESDAY

08:30 – 09:10	Mesencephalon	Elif Keskinöz
09:20 – 10:00	Spinal cord tracts: ascending	Alp Bayramoğlu
10:10 – 10:50	Spinal cord tracts: descending	Alp Bayramoğlu
11:00 – 11:40	CMPS V: Research in Health /EBM	Figen Demir
11:50 – 12:30	<i>Randomized clinical trial</i>	Pınar Topsever
13:30 – 14:10	LAB: Spinal cord and vessels of CNS _ Group A	Alp Bayramoğlu, Elif Keskinöz
14:20 – 15:00	LAB: Spinal cord and vessels of CNS _ Group A	Alp Bayramoğlu, Elif Keskinöz
15:10 – 15:50	LAB: Spinal cord and vessels of CNS _ Group B	Alp Bayramoğlu, Elif Keskinöz
16:00 – 16:40	LAB: Spinal cord and vessels of CNS _ Group B	Alp Bayramoğlu, Elif Keskinöz

28.11.2013 THURSDAY

08:30 – 09:10	Reflexes	Güldal Süyen
09:20 – 10:00	Cerebellum	Elif Keskinöz
10:10 – 10:50	Basal ganglia	Elif Keskinöz
11:00 – 11:40	LAB:Cerebellum and brain stem _ Group A	Alp Bayramoğlu, Elif Keskinöz
11:50 – 12:30	LAB:Cerebellum and brain stem _ Group B	Alp Bayramoğlu, Elif Keskinöz
13:30 – 14:10	Cerebral cortex	Alp Bayramoğlu
14:20 – 15:00	Diencephalon	Elif Keskinöz
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen

29.11.2013 FRIDAY

08:30 – 09:10	Functions of cerebellum	Güldal Süyen
09:20 – 10:00	Functions of basal ganglia	Güldal Süyen
10:10 – 10:50	Thalamus	Elif Keskinöz
11:00 – 11:40	Cerebral hemisphere	Alp Bayramoğlu
11:50 – 12:30	Study time	
13:30 – 14:10	Cranial nerves	Elif Keskinöz
14:20 – 15:00	Cranial nerves	Elif Keskinöz
15:10 – 15:50	Cranial nerves	Elif Keskinöz
16:00 – 16:40	General organization of cerebral cortex	Güldal Süyen

02.12.2013 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	LAB:Cerebral cortex, hemispheres, diencephalon,basal ganglia, cranial nerves _ Group A	Alp Bayramoğlu, Elif Keskinöz
10:10 – 10:50	LAB:Cerebral cortex, hemispheres, diencephalon,basal ganglia, cranial nerves _ Group A	Alp Bayramoğlu, Elif Keskinöz
11:00 – 11:40	LAB:Cerebral cortex, hemispheres, diencephalon,basal ganglia, cranial nerves _ Group B	Alp Bayramoğlu, Elif Keskinöz
11:50 – 12:30	LAB:Cerebral cortex, hemispheres, diencephalon,basal ganglia, cranial nerves _ Group B	Alp Bayramoğlu, Elif Keskinöz
13:30 – 14:10	Histology of Cerebrum, Cerebellum and Spinal Cord: An Overview	Deniz Yücel
14:20 – 15:00	Eye, visual pathway	Alp Bayramoğlu
15:10 – 15:50	Eye, visual pathway	Alp Bayramoğlu
16:00 – 16:40	Ear auditory pathway and vestibular system	Elif Keskinöz

03.12.2013 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	LAB: Eye visual and auditory pathway system _ Group B	Alp Bayramoğlu, Elif Keskinöz
10:10 – 10:50	LAB: Eye visual and auditory pathway system _ Group A	Alp Bayramoğlu, Elif Keskinöz
11:00 – 11:40	Development of the Nervous System	Deniz Yücel
11:50 – 12:30	Development of the Nervous System	Deniz Yücel
13:30 – 14:10	Otolaryngological presentations of cranial nerve palsies	Hasan Tanyeri
14:20 – 15:00	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen

04.12.2013 WEDNESDAY		
08:30 – 09:10	Central neurophysiology of hearing and vision	Güldal Süyen
09:20 – 10:00	Central neurophysiology of hearing and vision	Güldal Süyen
10:10 – 10:50	Anatomy of limbic system	Elif Keskinöz
11:00 – 11:40	CMPS V: Research in Health/EBM	Figen Demir
11:50 – 12:30	<i>Critical appraisal of a randomized clinical trial</i>	Pınar Topsever
13:30 – 14:10	Cortical and brain stem control of movement; vestibular senses	Güldal Süyen
14:20 – 15:00	Cortical and brain stem control of movement; vestibular senses	Güldal Süyen
15:10 – 15:50	Clinical problems of peripheral vestibular system	Haluk Özkarakaş
16:00 – 16:40	Conductive and sensory neural hearing problems	Levent Erişen

05.12.2013 THURSDAY		
08:30 – 09:10	Limbic system	Güldal Süyen
09:20 – 10:00	Neurotransmitters	Mustafa Serteser
10:10 – 10:50	Neurotransmitters	Mustafa Serteser
11:00 – 11:40	Synaptic transmission in learning and memory	Beki Kan
11:50 – 12:30	Synaptic transmission in learning and memory	Beki Kan
13:30 – 14:10	Meninges and dural sinuses of brain	Alp Bayramoğlu
14:20 – 15:00	Meninges and dural sinuses of brain	Alp Bayramoğlu
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen

06.12.2013 FRIDAY		
08:30 – 09:10	Autonomic Nervous System	Alp Bayramoğlu
09:20 – 10:00	Autonomic Nervous System	Alp Bayramoğlu
10:10 – 10:50	Brain ventricles and circulation of CSF	Elif Keskinöz
11:00 – 11:40	EEG (MI-BT)	Mehmet Ergen
11:50 – 12:30	Audiogram and Vestibular Tests (MI-BT)	Haluk Özkarakaş
13:30 – 14:10	Study time	
14:20 – 15:00	Medical Informatics and Biomedical Technologies (MI&BT)-II	
15:10 – 16:40	Group A: EEG, Stereotaxic and Image Guided Surgery Dilaver Kaya, Fehim Arman, Koray Özduman	Group B: Audiogram and Vestibular Tests Haluk Özkarakaş, Ömer Faruk Ünal

09.12.2013 MONDAY		
08:30 – 09:10	LAB:Autonomic Nervous system, Meninges and dural sinuses of brain, Brain ventricles and circulation of CSF_ Group A	Alp Bayramoğlu, Elif Keskinöz
09:20 – 10:00	LAB:Autonomic Nervous system, Meninges and dural sinuses of brain, Brain ventricles and circulation of CSF_ Group B	Alp Bayramoğlu, Elif Keskinöz
10:10 – 10:50	LAB:Autonomic Nervous system, Meninges and dural sinuses of brain, Brain ventricles and circulation of CSF_ Group B	Alp Bayramoğlu, Elif Keskinöz
11:00 – 11:40	Regulation of cerebral blood flow and CSF circulation	Güldal Süyen
11:50 – 12:30		
13:30 – 14:10	Laboratory evaluation of CSF	Mustafa Serteser
14:20 – 15:00	Laboratory evaluation of CSF	Mustafa Serteser
15:10 – 15:50	Physiology of sleep	Güldal Süyen
16:00 – 16:40	Circadian rhythms	Güldal Süyen
16:50 – 17:30	Circadian rhythms	Güldal Süyen
10.12.2013 TUESDAY		
08:30 – 09:10	Drugs altering opiodergic neurotransmission:opioid analgesics	Filiz Onat
09:20 – 10:00	Drugs altering opiodergic neurotransmission:opioid analgesics	Filiz Onat
10:10 – 10:50	Signs and symptoms in Neurology	Çiğdem Doğulu
11:00 – 11:40	Signs and symptoms in Neurology	Çiğdem Doğulu
11:50 – 12:30	Acute Meningitis	Sesin Kocagöz
13:30 – 14:10	Acute Meningitis	Sesin Kocagöz
14:20 – 15:00	Medical English - Journal Club	L. Angelo, G. Çiftçioğlu, P. Owen
15:10 – 15:50	Medical English - Journal Club	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English - Journal Club	L. Angelo, G. Çiftçioğlu, P. Owen
11.12.2013 WEDNESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	<b>CMPS V: MID COMMITTEE EXAMINATION</b>	
10:10 – 10:50	CMPS V: Research in Health/EBM	Figen Demir
11:00 – 11:40	<i>Critical appraisal of a cohort study</i>	
11:50 – 12:30		
13:30 – 14:10	Chronic Meningitis	Tanıl Kocagöz
14:20 – 15:00	Encephalitis	Sesin Kocagöz
15:10 – 15:50	Encephalitis	Sesin Kocagöz
16:00 – 16:40	Basic pathology of CNS	Hale Kırımlioğlu
12.12.2013 THURSDAY		
08:30 – 09:10	Infections; Transmissible Spongiform Encephalopathies (Prion Diseases)	Ümit İnce
09:20 – 10:00	Diagnosis in psychiatry and classification of mental disorders	Kültegin Ögel
10:10 – 10:50	Drugs altering brain cholinergic neurotransmission	İsmail Hakkı Ulus
11:00 – 11:40	Drugs altering brain catecholaminergic neurotransmission	İsmail Hakkı Ulus
11:50 – 12:30	Drugs altering serotonergic and histaminergic neurotransmission	İsmail Hakkı Ulus
13:30 – 14:10	Mood disorders	Cem İncesu
14:20 – 15:00	Mood disorders	Cem İncesu
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
13.12.2013 FRIDAY		
08:30 – 09:10	Anxiety disorders	Cem İncesu
09:20 – 10:00	Anxiety disorders	Cem İncesu
10:10 – 10:50	Headache	Elif Ilgaz Aydınlar
11:00 – 11:40	Headache	Elif Ilgaz Aydınlar
11:50 – 12:30	Study Time	
13:30 – 14:10	Study time	
14:20 – 15:00	Medical Informatics and Biomedical Technologies (MI&BT)-II	
15:10 – 15:50	Group B: EEG, Stereotaxic and Image Guided Surgery	Group A: Audiogram and Vestibular Tests
16:00 – 16:40	Dilaver Kaya, Fehim Arman, Koray Özduman	Haluk Özkarakas, Ömer Faruk Ünal

**16.12.2013 MONDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	<b>MED 305 MID-COMMITTEE EXAMINATION</b>	
14:20 – 15:00		
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

**17.12.2013 TUESDAY**

08:30 – 09:10	Drugs for mood disorders	İsmail Hakkı Ulus
09:20 – 10:00	Drugs for headache	İsmail Hakkı Ulus
10:10 – 10:50	Toxic and acquired metabolic diseases	Ümit İnce
11:00 – 11:40	Clinical evaluation of cranial nerves	Geysu Karlıkaya
11:50 – 12:30	Disorders of consciousness and coma	Geysu Karlıkaya
13:30 – 14:10	Genetic metabolic diseases	Hale Kırımlıoğlu
14:20 – 15:00	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen

**18.12.2013 WEDNESDAY**

08:30 – 09:10	Biochemical aspects of neurological disease	Mustafa Serteser
09:20 – 10:00	Biochemical aspects of neurological disease	Mustafa Serteser
10:10 – 10:50	CMPS V: Research in Health/EBM	
11:00 – 11:40	<i>Critical appraisal of a case control study</i>	Figen Demir
11:50 – 12:30		
13:30 – 14:10	Cerebrovascular disease	Dilaver Kaya
14:20 – 15:00	Cerebrovascular disease	Dilaver Kaya
15:10 – 15:50	Cerebrovascular diseases	Ümit İnce
16:00 – 16:40	Surgery of cerebrovascular diseases	Zafer Berkman
16:50 – 17:30	Symptom management of “headache” in primary care	Demet Dinç

**19.12.2013 THURSDAY**

08:30 – 09:10	Study time	
09:20 – 10:00	Epilepsy	Fehim Arman
10:10 – 10:50	Epilepsy	Fehim Arman
11:00 – 11:40	Nervous system infections	Selda Korkmaz
11:50 – 12:30	Extrapyramidal system disorders	Selda Korkmaz
13:30 – 14:10	Dementia	Selda Korkmaz
14:20 – 15:00	Diagnostic procedures in neurosurgery	M Necmettin Pamir
15:10 – 15:50	Intracranial tumors	M Necmettin Pamir
16:00 – 16:40	Epilepsy in childhood	Uğur Işık

**20.12.2013 FRIDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Diagnostic Imaging: Brain	Alp Dinçer
10:10 – 10:50	Diagnostic Imaging: Brain	Alp Dinçer
11:00 – 11:40	Pathology of CNS tumors	Ümit İnce
11:50 – 12:30	Pathology of CNS tumors	Ümit İnce
13:30 – 14:10	Cerebral edema, hydrocephalus and raised intracranial pressure and herniation and; Trauma	Hale Kırımlıoğlu
14:20 – 15:00	Pediatric Intracranial tumors	Koray Özduman
15:10 – 15:50	Increased intracranial pressure	Koray Özduman
16:00 – 16:40	Head traumas	Zafer Berkman

23.12.2013 MONDAY		
08:30 – 09:10	Schizophrenia and other psychotic disorders	Kültegin Ögel
09:20 – 10:00	Substance related disorders	Kültegin Ögel
10:10 – 10:50	Dementia, delirium, amnesic and other cognitive disorders	Cem İncesu
11:00 – 11:40	Autoimmune and demyelinating disease of the nervous system	Ayşe Kocaman Sağduyu
11:50 – 12:30	Autoimmune and demyelinating disease of the nervous system	Ayşe Kocaman Sağduyu
13:30 – 14:10	Approach to the patient with blurred consciousness in primary care	Demet Dinç
14:20 – 15:00	Degenerative diseases	Hale Kırımlioğlu
15:10 – 15:50	Demyelinating diseases	Hale Kırımlioğlu
16:00 – 16:40	Stereotactic and functional neurosurgery	Selçuk Peker

24.12.2013 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Hipnotics and sedatives	İsmail Hakkı Ulus
10:10 – 10:50	Drugs for neurodegenerative diseases	İsmail Hakkı Ulus
11:00 – 11:40	Psychotherapies	Burcu Göktan Yavuz
11:50 – 12:30	Psychiatric emergencies	Burcu Göktan Yavuz
13:30 – 14:10	Interventional Neuroradiology	M.Erdem Yıldız
14:20 – 15:00	Medical English	L. Angelo, G. Çiftçiöglü, P. Owen
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçiöglü, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçiöglü, P. Owen

25.12.2013 WEDNESDAY		
08:30 – 09:10	Drugs altering glutamatergic/gabaergic neurotransmission	İsmail Hakkı Ulus
09:20 – 10:00	Drugs for convulsions and epilepsies	İsmail Hakkı Ulus
10:10 – 10:50	Drugs for convulsions and epilepsies	İsmail Hakkı Ulus
11:00 – 11:40	CMPS V: Research in Health /EBM	Figen Demir
11:50 – 12:30	<i>Methodological studies</i>	Pınar Topsever
13:30 – 14:10		
14:20 – 15:00		
15:10 – 15:50	CMPS V:Advanced Communication Skills	Demet Dinç, Şirin Parkan, Pınar Topsever, Melike Şahiner, Efe Onganer, Sabah Tüzün
16:00 – 16:40	<i>Difficult patient encounter</i>	
16:50 – 17:30		

26.12.2013 THURSDAY		
08:30 – 09:10	General and local anesthetics	İsmail Hakkı Ulus
09:20 – 10:00	Alcohol, nicotine, stimulants and drug addiction	İsmail Hakkı Ulus
10:10 – 10:50	Drugs for psychosis and mania	İsmail Hakkı Ulus
11:00 – 11:40	Diagnostic Imaging: Head and Neck	Canan Erzen
11:50 – 12:30	Mechanism of Pain	Sibel Aközer
13:30 – 14:10	Modulation and Control of Pain	Serpil Ustalar Özgen
14:20 – 15:00	Pain relief by surgical methods	Selçuk Peker
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçiöglü, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçiöglü, P. Owen

27.12.2013 FRIDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Motor neuron disorders	Elif Ilgaz Aydınlar
10:10 – 10:50	Developmental delay/mental retardation	Uğur Işık
11:00 – 11:40	Neuromuscular disorders	Uğur Işık
11:50 – 12:30	Cerebral palsy	Uğur Işık
13:30 – 14:10	Muscle and neuromuscular junction disease	Pınar Yalınay
14:20 – 15:00	Peripheral nerve disorders	Pınar Yalınay
15:10 – 15:50	Genetic basis of neurological diseases	Yavuz Oktay
16:00 – 16:40	Genetic basis of neurological diseases	Yavuz Oktay

**30.12.2013 MONDAY**

08:30 – 09:10	Implants for nervous system disorders (MI-BT)	Deniz Yücel
09:20 – 10:00	Implants for nervous system disorders (MI-BT)	Deniz Yücel
10:10 – 10:50	Pathology of peripheral nerve and muscle	Ümit İnce
11:00 – 11:40	Pathology of peripheral nerve and muscle	Ümit İnce
11:50 – 12:30	Malformations and developmental diseases	Ümit İnce
13:30 – 14:10	Study Time	
14:20 – 15:00	Surgery of peripheral nerves	H. Ibrahim Sun
15:10 – 15:50	Spinal cord traumas	Serdar Özgen
16:00 – 16:40	Disc herniations	Serdar Özgen
16:50 – 17:30	Spinal cord compression syndromes	Koray Özduman

**31.12.2013 TUESDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Spinal cord pathology	Hale Kırımlıoğlu
11:00 – 11:40	Pineal gland pathology	Hale Kırımlıoğlu
11:50 – 12:30	Nuclear Medicine in Neurological and Psychiatric Diagnosis	Erkan Vardere
13:30 – 14:10	Study Time	
14:20 – 15:00	Pediatric Neurosurgery	Koray Özduman
15:10 – 15:50	Diagnostic Imaging: Spine	Ercan Karaaslan
16:00 – 16:40	Diagnostic Imaging: Pediatrics	Alp Dinçer

**01.01.2014 WEDNESDAY**

08:30 – 09:10	<b>HOLIDAY</b>	
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10		
14:20 – 15:00		
15:10 – 15:50		
16:00 – 16:40		

**02.01.2014 THURSDAY**

08:30 – 09:10	<b>CMPS-V: Skills Related to the Subject Committee</b>	Ayşe Kocaman Sağduyu , Çiğdem Doğulu
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10	Study Time	
14:20 – 15:00	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen

**03.01.2014 FRIDAY**

08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

06.01.2014 MONDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

07.01.2014 TUESDAY		
08:30 – 09:10	Study Time	
09:20 – 10:00	Study Time	
10:10 – 10:50	Study Time	
11:00 – 11:40	Study Time	
11:50 – 12:30	Study Time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Study Time	
16:00 – 16:40	Study Time	

08.01.2014 WEDNESDAY		
08:30 – 09:10	<b>MED 305 SUBJECT COMMITTEE PRACTICAL AND THEORETICAL EXAMINATION</b>	
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10		
14:20 – 15:00		
15:10 – 15:50		
16:00 – 16:40		

09.01.2014 THURSDAY		
08:30 – 09:10	Introduction to Subject Committee: Growth, Development& Endocrine Disorders	Özlem Sezgin, Işıl Pakiş
09:20 – 10:00	Thyroid and parathyroid gland anatomy	Elif Keskinöz
10:10 – 10:50	LAB: thyroid and parathyroid gland anatomy (GR-A)	Elif Keskinöz
11:00 – 11:40	LAB: thyroid and parathyroid gland anatomy (GR-B)	Elif Keskinöz
11:50 – 12:30	Histology of the thyroid, parathyroid and adrenal gland	Serap Arbak
13:30 – 14:10	Histology of the pituitary gland, pineal gland, and endocrine pancreas	Serap Arbak
14:20 – 15:00	Development of endocrine organs	Serap Arbak
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen

10.01.2014 FRIDAY		
08:30 – 09:10	General principles of hormone action	Abdurrahman Coşkun
09:20 – 10:00	General principles of hormone action	Abdurrahman Coşkun
10:10 – 10:50	The structure and classification of hormones	Aysel Özpınar
11:00 – 11:40	Mechanism and signal transduction and hormone action	Aysel Özpınar
11:50 – 12:30	Radiotherapy Instruments (MI-BT)	Enis Özyar
13:30 – 14:10	Study time	
14:20 – 15:00	Medical Informatics and Biomedical Technologies (MI&BT)-II	
15:10 – 16:40	<b>Group A:</b> Radiotherapy Instruments Enis Özyar	<b>Group B:</b> PET and other instrument used in nuclear medicine Erkan Vardareli, Levent Güner

13.01.2014 MONDAY		
08:30 – 09:10	Biosynthesis and metabolism of thyroid hormones	Aysel Özpınar
09:20 – 10:00	Thyroid hormones	Melike Şahiner
10:10 – 10:50	Pathology of thyroid and parathyroid diseases	Ümit İnce
11:00 – 11:40	Pathology of thyroid and parathyroid diseases	Ümit İnce
11:50 – 12:30	Pathology of thyroid and parathyroid diseases	Ümit İnce
13:30 – 14:10	Thyroid gland diseases	Özlem Sezgin Meriçliler
14:20 – 15:00	Thyroid gland diseases	Özlem Sezgin Meriçliler
15:10 – 15:50	Thyroid hormones and antithyroid drugs	İsmail Hakkı Ulus
16:00 – 16:40	Thyroid hormones and antithyroid drugs	İsmail Hakkı Ulus

14.01.2014 TUESDAY		
08:30 – 09:10	Approach to thyroid disorders in primary care	Efe Onganer
09:20 – 10:00	Biosynthesis and metabolism of somatotropin and growth factors	Aysel Özpınar
10:10 – 10:50	Endocrine functions of the hypothalamus	Melike Şahiner
11:00 – 11:40	Hypothalamic-pituitary axis; pituitary hormones	Melike Şahiner
11:50 – 12:30	Hypothalamic-pituitary axis; pituitary hormones	Melike Şahiner
13:30 – 14:10	Study time	
14:20 – 15:00	Medical English - Journal Club	L. Angelo, G. Çiftçiöglü, P. Owen
15:10 – 15:50	Medical English - Journal Club	L. Angelo, G. Çiftçiöglü, P. Owen
16:00 – 16:40	Medical English - Journal Club	L. Angelo, G. Çiftçiöglü, P. Owen

15.01.2014 WEDNESDAY		
08:30 – 09:10	Pathology of the thyroid and parathyroid diseases	İlker Akpolat
09:20 – 10:00	Pathology of the thyroid and parathyroid diseases	İlker Akpolat
10:10 – 10:50	CMPS V: Research in Health /EBM	Figen Demir
11:00 – 11:40	<i>Critical appraisal of a methodological study</i>	Pınar Topsever
11:50 – 12:30		
13:30 – 14:10		
14:20 – 15:00	CMPS V:Advanced Communication Skills	Pınar Topsever, Yasemin Alanay,
15:10 – 15:50	<i>Breaking bad news</i>	Melike Şahiner, Şirin Parkan
16:00 – 16:40		

16.01.2014 THURSDAY		
08:30 – 09:10	Growth hormone	Melike Şahiner
09:20 – 10:00	Anterior pituitary diseases	Adnan Gökçel
10:10 – 10:50	Anterior pituitary diseases	Adnan Gökçel
11:00 – 11:40	Posterior pituitary diseases	Rüştü Serter
11:50 – 12:30	Posterior pituitary diseases	Rüştü Serter
13:30 – 14:10	Hereditary basis of growth hormone deficiency	Cengiz Yakıcıer
14:20 – 15:00	Pituitary hormones and hypothalamic releasing factors	Filiz Onat
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçiöglü, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçiöglü, P. Owen

17.01.2014 FRIDAY		
08:30 – 09:10	Pancreas and adrenal gland anatomy	Elif Keskinöz
09:20 – 10:00	Biosynthesis and metabolism of pancreatic hormones	Aysel Özpınar
10:10 – 10:50	Biosynthesis and metabolism of pancreatic hormones	Aysel Özpınar
11:00 – 11:40	Endocrine functions of the pancreas	Melike Şahiner
11:50 – 12:30	Pathology of the endocrine pancreas	Özlem Aydın
13:30 – 14:10	Study time	
14:20 – 16:40	<p>Medical Informatics and Biomedical Technologies (MI&amp;BT)-II</p> <p><b>Group B: Radiotherapy Instruments</b> Enis Özyar</p>	<p><b>Group A: PET and other instrument used in nuclear medicine</b> Erkan Vardareli, Levent Güner</p>

18.01.2014 Saturday Difficult patients- breaking bad news (Simulated Patient Encounters)

19.01.2014 Sunday Difficult patients- breaking bad news (Simulated Patient Encounters)

20.01.2014 MONDAY		
08:30 – 09:10	Interactive Module	
09:20 – 10:00	Interactive Module	
10:10 – 10:50	Biosynthesis and metabolism of steroid hormones	Aysel Özpınar
11:00 – 11:40	Biosynthesis and metabolism of adrenal medulla hormones	Aysel Özpınar
11:50 – 12:30	Study time	
13:30 – 14:10	Adrenal gland hormones	Melike Şahiner
14:20 – 15:00	Adrenal gland hormones	Melike Şahiner
15:10 – 15:50	Adrenal cortex diseases	Rüştü Serter
16:00 – 16:40	Adrenal cortex diseases	Rüştü Serter

21.01.2014 TUESDAY		
08:30 – 09:10	Adrenal medulla diseases	Rüştü Serter
09:20 – 10:00	Adrenal medulla diseases	Rüştü Serter
10:10 – 10:50	Adrenocortical hormones and their antagonists	İsmail Hakkı Ulus
11:00 – 11:40	Adrenocortical hormones and their antagonists	İsmail Hakkı Ulus
11:50 – 12:30	Pathology of the adrenal cortex and medulla	Özlem Aydın
13:30 – 14:10	Pathology of the adrenal cortex and medulla	Özlem Aydın
14:20 – 15:00	Medical English	L. Angelo, G. Çiftçiöğlü, P. Owen
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçiöğlü, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçiöğlü, P. Owen

22.01.2014 WEDNESDAY		
08:30 – 09:10	Study time	
09:20 – 10:00	Study time	
10:10 – 10:50	Study time	
11:00 – 11:40	CMPS V: Research in Health/EBM	İlke Sipahi
11:50 – 12:30	<i>Critical appraisal of a meta- analysis</i>	
13:30 – 14:10		
14:20 – 15:00	CMPS V: Advanced Communication Skills	Kültekin Ögel, Pınar Topsever, Yasemin Alanay, Melike Şahiner, Şirin Parkan
15:10 – 15:50	<i>Initiating behavior change</i>	
16:00 – 16:40		

23.01.2014 THURSDAY		
08:30 – 09:10	Study time	
09:20 – 10:00	Study time	
10:10 – 10:50	Endocrine pancreas and diabetes mellitus	Ender Arıkan
11:00 – 11:40	Endocrine pancreas and diabetes mellitus	Ender Arıkan
11:50 – 12:30	Endocrine pancreas and diabetes mellitus	Ender Arıkan
13:30 – 14:10	Genetic basis of diabetes mellitus	Deniz Ağırbaşı
14:20 – 15:00	Type 1 diabetes and its biophysicosocial dimensions	Serap Semiz
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçiöğlü, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçiöğlü, P. Owen

24.01.2014 FRIDAY		
08:30 – 09:10	Study time	
09:20 – 10:00	Primary care approach to impaired glucose homeostasis	Şirin Parkan
10:10 – 10:50	Active case finding of endocrine disorders in childhood in primary care	Demet Dinç
11:00 – 11:40	Approach to the patient with metabolic syndrome and DM in primary care	Pınar Topsever
11:50 – 12:30	Hypoglycemic disorders	Adnan Gökçel
13:30 – 14:10	Pharmacology of endocrine pancreas: insulin, oral hypoglycemic agents	Filiz Onat
14:20 – 15:00	Pharmacology of endocrine pancreas: insulin, oral hypoglycemic agents	Filiz Onat
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	

25.01.2014 Saturday Initiating behaviour change-Brief intervention-MI (Simulated Patient Encounters)

26.01.2014 Sunday Initiating behaviour change-Brief intervention-MI (Simulated Patient Encounters)

**27.01.2014 MONDAY**

08:30 – 09:10	Growth and Development (Interactive Module)	
09:20 – 10:00	Growth and Development (Interactive Module)	
10:10 – 10:50	Radiology of pituitary and hypothalamic axis	Simay Altan Kara
11:00 – 11:40	Radiology of thyroid, parathyroid and surrenal gland	Simay Altan Kara
11:50 – 12:30	Study time	
13:30 – 14:10	Study time	
14:20 – 15:00	Study time	
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	

**28.01.2014 TUESDAY**

08:30 – 09:10	Study time	
09:20 – 10:00	Study time	
10:10 – 10:50	Study time	
11:00 – 11:40	Study time	
11:50 – 12:30	Study time	
13:30 – 14:10	<b>MED 307 MID-COMMITTEE EXAMINATION</b>	
14:20 – 15:00		
15:10 – 15:50		
16:00 – 16:40		

**29.01.2014 WEDNESDAY**

08:30 – 09:10		
09:20 – 10:00	CMPS V:Advanced Communication Skills	
10:10 – 10:50	<i>Tutor feed-back sessions for SP encounter</i>	
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10	CMPS V:Advanced Communication Skills	
14:20 – 15:00	<i>Tutor feed-back sessions for SP encounter</i>	
15:10 – 15:50		
16:00 – 16:40		

**30.01.2014 THURSDAY**

08:30 – 09:10	Study time	
09:20 – 10:00	Metabolic effects of vitamins and micronutrients	Aysel Özpınar
10:10 – 10:50	Metabolic effects of vitamins and micronutrients	Aysel Özpınar
11:00 – 11:40	Vitamins and other nutritional factors	İsmail Hakkı Ulus
11:50 – 12:30	Metabolism of inorganic compounds	Aysel Özpınar
13:30 – 14:10	Community nutrition	Figen Demir
14:20 – 15:00	Breast feeding	Figen Demir
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen

**31.01.2014 FRIDAY**

08:30 – 09:10	Metabolic bone diseases	Şebnem Aktaran
09:20 – 10:00	Hormones and disorders of mineral metabolism	Şebnem Aktaran
10:10 – 10:50	Hormones and disorders of mineral metabolism	Şebnem Aktaran
11:00 – 11:40	Calcium and bone disorders in children	Serap Semiz
11:50 – 12:30	Endocrine hypertension	Şebnem Aktaran
13:30 – 14:10	CMPS-V: Skills related to the Subject Committee	
14:20 – 15:00	CMPS-V: Skills related to the Subject Committee	
15:10 – 15:50	CMPS-V: Skills related to the Subject Committee	
16:00 – 16:40	CMPS-V: Skills related to the Subject Committee	

03.02.2014 MONDAY		
08:30 – 09:10	Growth and Development (Interactive Module)	
09:20 – 10:00	Growth and Development (Interactive Module)	
10:10 – 10:50	Growth disorders in childhood	Serap Semiz
11:00 – 11:40	Growth disorders in childhood	Serap Semiz
11:50 – 12:30	Genetic metabolic syndromes and dysmorphology	Yasemin Alanay
13:30 – 14:10	Development of reproductive system and puberty	Serap Semiz
14:20 – 15:00	Malnutrition	Pınar Topsever, Özlem S.Meriçliler, Ertuğrul Eryılmaz
15:10 – 15:50		
16:00 – 16:40		

04.02.2014 TUESDAY		
08:30 – 09:10	Body fat and lipid metabolism	Adnan Gökçel
09:20 – 10:00	Body fat and lipid metabolism	Adnan Gökçel
10:10 – 10:50	Multiple endocrine neoplasia	Ender Arıkan
11:00 – 11:40	Paraendocrine and neoplastic syndromes	Ender Arıkan
11:50 – 12:30	Nuclear Medicine in Endocrine Disorders	Ahmet Levent Güner
13:30 – 14:10	Nuclear Medicine in Endocrine Disorders	Ahmet Levent Güner
14:20 – 15:00	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen

05.02.2014 WEDNESDAY		
08:30 – 09:10	Study time	
09:20 – 10:00	Study time	
10:10 – 10:50	Study time	
11:00 – 11:40	Study time	
11:50 – 12:30	Study time	
13:30 – 14:10	Study time	
14:20 – 15:00	Study time	
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	

06.02.2014 THURSDAY		
08:30 – 09:10	Study time	
09:20 – 10:00	Study time	
10:10 – 10:50	Study time	
11:00 – 11:40	Study time	
11:50 – 12:30	Study time	
13:30 – 14:10	Study time	
14:20 – 15:00	Study time	
15:10 – 15:50	Course Examination ENG 301	
16:00 – 16:40		

07.02.2014 FRIDAY		
08:30 – 09:10	Study time	
09:20 – 10:00	Study time	
10:10 – 10:50	Study time	
11:00 – 11:40	Study time	
11:50 – 12:30	Study time	
13:30 – 14:10		
14:20 – 15:00	MED 309 CMPS V SUBJECT COMMITTEE EXAMINATION	
15:10 – 15:50		
16:00 – 16:40		

**10.02.2014 MONDAY**

08:30 – 09:10	Study time		
09:20 – 10:00	Study time		
10:10 – 10:50	Study time		
11:00 – 11:40	Study time		
11:50 – 12:30	Study time		
13:30 – 14:10	Study time		
14:20 – 15:00	Study time		
15:10 – 15:50	Study time		
16:00 – 16:40	Study time		

**11.02.2014 TUESDAY**

08:30 – 09:10	Study time		
09:20 – 10:00	Study time		
10:10 – 10:50	Study time		
11:00 – 11:40	Study time		
11:50 – 12:30	Study time		
13:30 – 14:10	Study time		
14:20 – 15:00	Study time		
15:10 – 15:50	Study time		
16:00 – 16:40	Study time		

**12.02.2014 WEDNESDAY**

08:30 – 09:10	Study time		
09:20 – 10:00	Study time		
10:10 – 10:50	Study time		
11:00 – 11:40	Study time		
11:50 – 12:30	Study time		
13:30 – 14:10	Study time		
14:20 – 15:00	Study time		
15:10 – 15:50	Study time		
16:00 – 16:40	Study time		

**13.02.2014 THURSDAY**

08:30 – 09:10	Study time		
09:20 – 10:00	Study time		
10:10 – 10:50	Study time		
11:00 – 11:40	Study time		
11:50 – 12:30	Study time		
13:30 – 14:10	Study time		
14:20 – 15:00	Study time		
15:10 – 15:50	Study time		
16:00 – 16:40	Study time		

**14.02.2014 FRIDAY**

**MED 307 SUBJECT COMMITTEE PRACTICAL AND THEORETICAL EXAMINATION**





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**YEAR 3  
SPRING  
SEMESTER  
SCHEDULE**

SCHOOL OF MEDICINE

**03.03.2014 MONDAY**

08:30 – 09:10	Introduction to Subject Committee: Gastrointestinal System and Related Disorders	Murat Saruç, Elif Keskinöz
09:20 – 10:00	Anatomy of the oral cavity and salivary glands	Alp Bayramoğlu
10:10 – 10:50	Anatomy of the oral cavity and salivary glands	Alp Bayramoğlu
11:00 – 11:40	Temporomandibular joint, Muscles of mastication	Elif Keskinöz
11:50 – 12:30	Esophagus and Stomach	Elif Keskinöz
13:30 – 14:10	Histology of the Upper Digestive System	Serap Arbak
14:20 – 15:00	General principles of gastrointestinal function	Mehmet Ergen
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	

**04.03.2014 TUESDAY**

08:30 – 09:10	Digestion in the mouth; mechanical and chemical processes	Mehmet Ergen
09:20 – 10:00	LAB: Histology of the Upper Digestive System _ Group A	Serap Arbak
10:10 – 10:50	LAB: Histology of the Upper Digestive System _ Group A	Serap Arbak
11:00 – 11:40	LAB: Histology of the Upper Digestive System _ Group B	Serap Arbak
11:50 – 12:30	LAB: Histology of the Upper Digestive System _ Group B	Serap Arbak
13:30 – 14:10	Study time	
14:20 – 15:00	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen

**05.03.2014 WEDNESDAY**

08:30 – 09:10	Small bowel	Alp Bayramoğlu
09:20 – 10:00	Large bowel	Elif Keskinöz
10:10 – 10:50	Rectum and Anal canal	Alp Bayramoğlu
11:00 – 11:40	CMPS VI: Health and Society: <i>Introduction, Orientation for the Field Study</i>	Pınar Topsever, Figen Demir
11:50 – 12:30		
13:30 – 14:10	Motor and secretory functions of the stomach	Mehmet Ergen
14:20 – 15:00	Motor and secretory functions of the stomach	Mehmet Ergen
15:10 – 15:50	Digestion in the stomach	Mehmet Ergen
16:00 – 16:40	LAB: Anatomy I _ Group A	Alp Bayramoğlu, Elif Keskinöz
16:50 – 17:30	LAB: Anatomy I _ Group A	Alp Bayramoğlu, Elif Keskinöz

**06.03.2014 THURSDAY**

08:30 – 09:10	Secretions of exocrine pancreas and gall bladder	Mehmet Ergen
09:20 – 10:00	Motor and secretory functions of the small intestine	Mehmet Ergen
10:10 – 10:50	Digestion and absorption in the small intestine	Mehmet Ergen
11:00 – 11:40	Histology of the Lower Digestive System	Feriha Ercan
11:50 – 12:30	Histology of the Lower Digestive System	Feriha Ercan
13:30 – 14:10	Biochemical aspects of nutrition	Aysel Özpınar
14:20 – 15:00	LAB Histology of the Lower Digestive System _ Group A	Serap Arbak
15:10 – 15:50	LAB Histology of the Lower Digestive System _ Group A	Serap Arbak
16:00 – 16:40	LAB: Histology of the Lower Digestive System _ Group B	Serap Arbak
16:50 – 17:30	LAB: Histology of the Lower Digestive System _ Group B	Serap Arbak

**07.03.2014 FRIDAY**

08:30 – 09:10	Digestion and absorption of nitrogenous compounds, carbohydrates and fat	Mustafa Serteser
09:20 – 10:00	Digestion and absorption of nitrogenous compounds, carbohydrates and fat	Mustafa Serteser
10:10 – 10:50	Motor and secretory functions and absorption in the large intestine; defecation	Mehmet Ergen
11:00 – 11:40	CMPS-VI: Health and Society/ <i>Health Economics</i>	Hacer Özgen
11:50 – 12:30	<i>Introduction to health economics</i>	
13:30 – 14:10	Peritoneum, inguinal region	Alp Bayramoğlu
14:20 – 15:00	Peritoneum, inguinal region	Alp Bayramoğlu
15:10 – 15:50	LAB: Anatomy I _ Group B	Alp Bayramoğlu, Elif Keskinöz
16:00 – 16:40	LAB: Anatomy I _ Group B	Alp Bayramoğlu, Elif Keskinöz

10.03.2014 MONDAY		
08:30 – 09:10	Study time	
09:20 – 10:00	Interactive Module	
10:10 – 10:50	Interactive Module	
11:00 – 11:40	Histology of the Glands of the Digestive System	Serap Arbak
11:50 – 12:30	Histology of the Glands of the Digestive System	Serap Arbak
13:30 – 14:10	LAB: Anatomy II _ Group A	Alp Bayramoğlu, Elif Keskinöz
14:20 – 15:00	Liver, spleen & portal system	Elif Keskinöz
15:10 – 15:50	Liver, spleen & portal system	Elif Keskinöz
16:00 – 16:40	Biochemical aspects of carbohydrate metabolism disorders	Aysel Özpınar
16:50 – 17:30	Biochemical aspects of carbohydrate metabolism disorders	Aysel Özpınar

11.03.2014 TUESDAY		
08:30 – 09:10	Development of the Digestive System	Serap Arbak
09:20 – 10:00	Development of the Digestive System	Serap Arbak
10:10 – 10:50	Metabolism of nucleotids	Abdurrahman Coşkun
11:00 – 11:40	LAB: ANATOMY II _ Group B	Alp Bayramoğlu, Elif Keskinöz
11:50 – 12:30	LAB: ANATOMY III _ Group A	Alp Bayramoğlu, Elif Keskinöz
13:30 – 14:10	LAB: ANATOMY III _ Group B	Alp Bayramoğlu, Elif Keskinöz
14:20 – 15:00	Medical English - Journal Club	L. Angelo, G. Çiftçioğlu, P. Owen
15:10 – 15:50	Medical English - Journal Club	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English - Journal Club	L. Angelo, G. Çiftçioğlu, P. Owen

12.03.2014 WEDNESDAY		
08:30 – 09:10	CMPS VI: Health and Society <i>Field study in primary Health Care Centers(PHC)</i>	Trainers in PHC
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10		
14:20 – 15:00	Study time	
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	

13.03.2014 THURSDAY		
08:30 – 09:10	Biochemical aspects of amino acids and protein metabolism disorders	Abdurrahman Coşkun
09:20 – 10:00	Biochemical aspects of amino acids and protein metabolism disorders	Abdurrahman Coşkun
10:10 – 10:50	Heme synthesis and disorders	Abdurrahman Coşkun
11:00 – 11:40	Detoxification mechanism	Abdurrahman Coşkun
11:50 – 12:30	Gastric, intestinal and pancreatic function tests	Mustafa Serteser
13:30 – 14:10	Biochemical assessment of liver function	Eser Vardareli
14:20 – 15:00	Gastroesophageal reflux disease	Özdal Ersoy
15:10 – 15:50	LAB Histology of the Glands of the Digestive System _ Group A	Serap Arbak
16:00 – 16:40	LAB Histology of the Glands of the Digestive System _ Group A	Serap Arbak

14.03.2014 FRIDAY		
<b>March 14 Physician's Day</b>		

17.03.2014 MONDAY		
08:30 – 09:10	Interactive Module	
09:20 – 10:00	Interactive Module	
10:10 – 10:50	Peptic ulcer disease	Orhan Tarçın
11:00 – 11:40	CMPS-VI: Health and Society/ <i>Health Economics Price and market structure, demand for health</i>	Hacer Özgen
11:50 – 12:30	CMPS-VI: Health and Society/ <i>Health Economics Price and market structure, demand for health</i>	Hacer Özgen
13:30 – 14:10	LAB Histology of the Glands of the Digestive System _ Group B	Serap Arbak
14:20 – 15:00	LAB Histology of the Glands of the Digestive System _ Group B	Serap Arbak
15:10 – 15:50	Pathology of oral cavity and salivary glands	Yeşim Sağlıcan
16:00 – 16:40	Pathology of oral cavity and salivary glands	Yeşim Sağlıcan
16:50 – 17:30	Pathology of esophagus	Yeşim Sağlıcan

18.03.2014 TUESDAY		
08:30 – 09:10	Functional GI disease	Özdal Ersoy
09:20 – 10:00	Functional GI disease	Özdal Ersoy
10:10 – 10:50	Pathology of gastritis and peptic ulcer	İlker Akpolat
11:00 – 11:40	Pathology of gastritis and peptic ulcer	İlker Akpolat
11:50 – 12:30	Drugs affecting secretory and motor functions of GI system	Filiz Onat
13:30 – 14:10	Antiemetics	İsmail H. Ulus
14:20 – 15:00	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen

19.03.2014 WEDNESDAY		
08:30 – 09:10	CMPS VI: Health and Society <i>Field study in primary Health Care Centers(PHC)</i>	Trainers in PHC
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10		
14:20 – 15:00	Study time	
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	

20.03.2014 THURSDAY		
08:30 – 09:10	Tumors of upper GI system	Eser Vardareli
09:20 – 10:00	Tumors of upper GI system	Eser Vardareli
10:10 – 10:50	Tumors of the small bowel	Orhan Tarçın
11:00 – 11:40	Neoplastic diseases of the stomach	Ümit İnce
11:50 – 12:30	Neoplastic diseases of the stomach	Ümit İnce
13:30 – 14:10	Study time	
14:20 – 15:00	Study time	
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen

21.03.2014 FRIDAY		
08:30 – 09:10	Study time	
09:20 – 10:00	Study time	
10:10 – 10:50	Basic radiologic anatomy of the abdomen on US, CT and MRI	Ümit Özcan
11:00 – 11:40	Basic radiologic anatomy of the abdomen on US, CT and MRI	Ümit Özcan
11:50 – 12:30	Gastrointestinal endoscopic systems (MI&BT)	Eser Vardareli
13:30 – 14:10	Study time	
14:20 – 15:00	Medical Informatics and Biomedical Technologies (MI&BT)-II	
15:10 – 15:50	<b>Group A:</b> <i>Gastrointestinal endoscopic systems</i>	<b>Group B:</b>
16:00 – 16:40	Orhan Tarçın, Bahattin Çiçek	Study time

24.03.2014 MONDAY		
08:30 – 09:10	Interactive Module	
09:20 – 10:00	Interactive Module	
10:10 – 10:50		
11:00 – 11:40	<b>MED 304 MID-COMMITTEE EXAMINATION</b>	
11:50 – 12:30		
13:30 – 14:10	Virology of Hepatitis	Sesin Kocagöz
14:20 – 15:00	Acute viral hepatitis	Nurdan Tözün
15:10 – 15:50	Acute viral hepatitis	Nurdan Tözün
16:00 – 16:40	Radiology of the esophagus, stomach and bowels	Sıla Ulus
16:50 – 17:30	Radiology of the esophagus, stomach and bowels	Sıla Ulus
25.03.2014 TUESDAY		
08:30 – 09:10	Chronic Hepatitis	Nurdan Tözün
09:20 – 10:00	Chronic Hepatitis	Nurdan Tözün
10:10 – 10:50	Metals and the liver	Nurten Türkel
11:00 – 11:40	Malabsorption syndromes	Arzu Tiftikçi
11:50 – 12:30	Alcoholic and nonalcoholic liver diseases	Arzu Tiftikçi
13:30 – 14:10	Viral Hepatitis in Childhood	Mahir Gülcan
14:20 – 15:00	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
26.03.2014 WEDNESDAY		
08:30 – 09:10	CMPS VI: Health and Society <i>Field study in primary Health Care Centers (PHC)</i>	Trainers in PHC
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10	Study time	
14:20 – 15:00	Study time	
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	
27.03.2014 THURSDAY		
08:30 – 09:10	Pathology of acute and chronic hepatitis	Hale Kırımlioğlu
09:20 – 10:00	Pathology of acute and chronic hepatitis	Hale Kırımlioğlu
10:10 – 10:50	Drug induced liver disease	Bülent Değertekin
11:00 – 11:40	Bilirubin Metabolism in Infancy	Ebru Tuğrul Sarıbeyoğlu
11:50 – 12:30	Study time	
13:30 – 14:10	Drugs for the therapy of acid peptic diseases	Filiz Onat
14:20 – 15:00	Drugs for the therapy of acid peptic diseases	Filiz Onat
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
28.03.2014 FRIDAY		
08:30 – 09:10	Liver Cirrhosis	Nurdan Tözün
09:20 – 10:00	Liver Cirrhosis	Nurdan Tözün
10:10 – 10:50	CMPS-VI: Health and Society/ <i>Health Economics</i>	Hacer Özgen
11:00 – 11:40	<i>Supply of health</i>	
11:50 – 12:30	Study time	
13:30 – 14:10	Study time	
14:20 – 15:00	Medical Informatics and Biomedical Technologies (MI&BT)-II	
15:10 – 15:50	<b>Group B:</b> <i>Gastrointestinal endoscopic systems</i>	<b>Group A:</b> Study time
16:00 – 16:40	Orhan Tarçın, Bahattin Çiçek	

**31.03.2014 MONDAY**

08:30 – 09:10	Interactive Module	
09:20 – 10:00	Interactive Module	
10:10 – 10:50	Metabolic liver diseases	Hale Kırımlıoğlu
11:00 – 11:40	Metabolic liver diseases	Hale Kırımlıoğlu
11:50 – 12:30	Pathology of circulatory disorders of liver	Hale Kırımlıoğlu
13:30 – 14:10	Hepatomegaly in Childhood	Cengiz Canpolat
14:20 – 15:00	Infantile cholestasis	Yasemin Alanay
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	

**01.04.2014 TUESDAY**

08:30 – 09:10	Study time	
09:20 – 10:00	Morphological patterns of hepatic injury and cirrhosis	Hale Kırımlıoğlu
10:10 – 10:50	Morphological patterns of hepatic injury and cirrhosis	Hale Kırımlıoğlu
11:00 – 11:40	Drug and toxin induced liver disease	Hale Kırımlıoğlu
11:50 – 12:30	Benign or malignant neoplasm of the colon	Bahattin Çiçek
13:30 – 14:10	Study time	
14:20 – 15:00	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen

**02.04.2014 WEDNESDAY**

08:30 – 09:10	CMPS VI: Health and Society <i>Field study in primary Health Care Centers(PHC)</i>	Trainers in PHC
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10		
14:20 – 15:00	Study time	
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	

**03.04.2014 THURSDAY**

08:30 – 09:10	Study time	
09:20 – 10:00	Tumors of small and large intestine	Yeşim Sağlıcan
10:10 – 10:50	Tumors of small and large intestine	Yeşim Sağlıcan
11:00 – 11:40	Gallstone disease	Bahattin Çiçek
11:50 – 12:30	Pathology of intrahepatic biliary tract diseases	Hale Kırımlıoğlu
13:30 – 14:10	Pathology of hepatic nodules and tumors	Hale Kırımlıoğlu
14:20 – 15:00	Tumors of the liver	Nurten Turkel
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen

**04.04.2014 FRIDAY**

08:30 – 09:10	Study time	
09:20 – 10:00	Inborn errors of metabolism	Hale Kırımlıoğlu
10:10 – 10:50	Inborn errors of metabolism	Hale Kırımlıoğlu
11:00 – 11:40	CMPS-VI: Health and Society/ <i>Health Economics</i>	Hacer Özgen
11:50 – 12:30	<i>Health Financing</i>	
13:30 – 14:10	Inflammatory bowel disease	Nurdan Tözün
14:20 – 15:00	Inflammatory bowel disease	Nurdan Tözün
15:10 – 15:50	Inflammatory bowel disease	Ümit Ince
16:00 – 16:40	Study time	

07.04.2014 MONDAY		
08:30 – 09:10	Acute and chronic pancreatitis	Murat Saruç
09:20 – 10:00	Acute and chronic pancreatitis	Murat Saruç
10:10 – 10:50	Acute and chronic pancreatitis	Murat Saruç
11:00 – 11:40	Tumors of the pancreas and biliary system	Orhan Tarçın
11:50 – 12:30	Pathology of exocrine pancreas, gall bladder and appendix	Hale Kırmıoğlu
13:30 – 14:10	Radiology of the liver, pancreas and the biliary system	Erdem Yıldız
14:20 – 15:00	Radiology of the liver, pancreas and the biliary system	Erdem Yıldız
15:10 – 15:50	Screening and prevention of GIS Cancers	Nurdan Tözün
16:00 – 16:40	Ischemic – diverticular diseases of the bowel	Arzu Tiftikçi

08.04.2014 TUESDAY		
08:30 – 09:10	Drugs used in inflammatory bowel disease	İsmail H. Ulus
09:20 – 10:00	Drugs used in inflammatory bowel disease	İsmail H. Ulus
10:10 – 10:50	Drugs used in biliary and pancreatic diseases	İsmail H. Ulus
11:00 – 11:40	Digestive system malformations in children	Latif Abbasoğlu
11:50 – 12:30	Acute abdominal disease in children	Latif Abbasoğlu
13:30 – 14:10	Abdominal discomfort and emergencies of the GI tract in PHC	Demet Dinç
14:20 – 15:00	Medical English - Journal Club	L. Angelo, G. Çiftçioğlu, P. Owen
15:10 – 15:50	Medical English - Journal Club	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English - Journal Club	L. Angelo, G. Çiftçioğlu, P. Owen

09.04.2014 WEDNESDAY		
08:30 – 09:10	CMPS VI: Health and Society <i>Field study in primary Health Care Centers(PHC)</i>	Trainers in PHC
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10	Study time	
14:20 – 15:00	Study time	
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	

10.04.2014 THURSDAY		
08:30 – 09:10	Bacterial gastroenteritis and food poisoning	Sesin Kocagöz
09:20 – 10:00	Bacterial gastroenteritis and food poisoning	Sesin Kocagöz
10:10 – 10:50	Viral Gastroenteritis	Tanıl Kocagöz
11:00 – 11:40	Parasitic Gastroenteritis	Özgür Kurt
11:50 – 12:30	Study time	
13:30 – 14:10	Study Time	
14:20 – 15:00	Study Time	
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen

11.04.2014 FRIDAY		
08:30 – 09:10	Study time	
09:20 – 10:00	Malabsorption syndromes	Mahir Gülcan
10:10 – 10:50	Abdominal pain in childhood	Müjde Arapoğlu
11:00 – 11:40	CMPS-VI: Health and Society/ <i>Health Economics</i>	Hacer Özgen
11:50 – 12:30	<i>Government's role in health care</i>	
13:30 – 14:10	Molecular basis of esophagus, stomach and liver cancer	Cengiz Yakıcıer
14:20 – 15:00	Molecular basis of esophagus, stomach and liver cancer	Cengiz Yakıcıer
15:10 – 15:50	Molecular abnormalities in colon cancer	Cengiz Yakıcıer
16:00 – 16:40	Study Time	

**14.04.2014 MONDAY**

<b>08:30 – 09:10</b>	Study Time		
<b>09:20 – 10:00</b>	Drugs for constipation and diarrhea		Filiz Onat
<b>10:10 – 10:50</b>	Gastroenteritis in childhood		Cengiz Canpolat
<b>11:00 – 11:40</b>	Infectious enterocolitis		Özlem Aydın
<b>11:50 – 12:30</b>	Malabsorption syndromes, vascular disorders and diverticular disease		Özlem Aydın
<b>13:30 – 14:10</b>	Food and water safety		Figen Demir
<b>14:20 – 15:00</b>	Food and water safety		Figen Demir
<b>15:10 – 15:50</b>	Management of diarrhea and constipation in primary care		Efe Onganer
<b>16:00 – 16:40</b>	Health promotion and primary prevention: Nutrition, life style and GI disorders		Şirin Parkan

**15.04.2014 TUESDAY**

<b>08:30 – 09:10</b>	CMPS-VI: Skills Related to Subject Committee		
<b>09:20 – 10:00</b>	CMPS-VI: Skills Related to Subject Committee		
<b>10:10 – 10:50</b>	CMPS-VI: Skills Related to Subject Committee		
<b>11:00 – 11:40</b>	CMPS-VI: Skills Related to Subject Committee		
<b>11:50 – 12:30</b>	CMPS-VI: Skills Related to Subject Committee		
<b>13:30 – 14:10</b>	CMPS-VI: Skills Related to Subject Committee		
<b>14:20 – 15:00</b>	CMPS-VI: Skills Related to Subject Committee		
<b>15:10 – 15:50</b>	CMPS-VI: Skills Related to Subject Committee		
<b>16:00 – 16:40</b>	CMPS-VI: Skills Related to Subject Committee		

**16.04.2014 WEDNESDAY**

<b>08:30 – 09:10</b>	Study time		
<b>09:20 – 10:00</b>	Study time		
<b>10:10 – 10:50</b>	Study time		
<b>11:00 – 11:40</b>	Study time		
<b>11:50 – 12:30</b>	Study time		
<b>13:30 – 14:10</b>	Study time		
<b>14:20 – 15:00</b>	Study time		
<b>15:10 – 15:50</b>	Study time		
<b>16:00 – 16:40</b>	Study time		

**17.04.2014 THURSDAY**

<b>08:30 – 09:10</b>	Study time		
<b>09:20 – 10:00</b>	Study time		
<b>10:10 – 10:50</b>	Study time		
<b>11:00 – 11:40</b>	Study time		
<b>11:50 – 12:30</b>	Study time		
<b>13:30 – 14:10</b>	Study time		
<b>14:20 – 15:00</b>	Study time		
<b>15:10 – 15:50</b>	Study time		
<b>16:00 – 16:40</b>	Study time		

**18.04.2014 FRIDAY**

<b>08:30 – 09:10</b>	Study time		
<b>09:20 – 10:00</b>	Study time		
<b>10:10 – 10:50</b>	Study time		
<b>11:00 – 11:40</b>	Study time		
<b>11:50 – 12:30</b>	Study time		
<b>13:30 – 14:10</b>	Study time		
<b>14:20 – 15:00</b>	Study time		
<b>15:10 – 15:50</b>	Study time		
<b>16:00 – 16:40</b>	Study time		

21.04.2014 MONDAY

MED 304 SUBJECT COMMITTEE PRACTICAL AND THEORETICAL EXAMINATION

22.04.2014 TUESDAY

08:30 – 09:10	Introduction to Subject Committee: Urogenital System and Related Disorders	Cem Batukan-Deniz Ağırbaşı
09:20 – 10:00	Kidney,Ureter,Urinary bladder,Urethra	Elif Keskinöz
10:10 – 10:50	Kidney,Ureter,Urinary bladder,Urethra	Elif Keskinöz
11:00 – 11:40	Histology of the Organs Forming the Urinary System	Serap Arbak
11:50 – 12:30	Histology of the Organs Forming the Urinary System	Serap Arbak
13:30 – 14:10	LAB: Kidney,Ureter,Urinary bladder,Urethra _ Group B	Elif Keskinöz
14:20 – 15:00	LAB: Kidney,Ureter,Urinary bladder,Urethra _ Group A	Elif Keskinöz
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	

23.04.2014 WEDNESDAY

National Sovereignty and Children's Day

24.04.2014 THURSDAY

08:30 – 09:10	Study time	
09:20 – 10:00	Lab: Histology of the Organs Forming the Urinary System _ Group A	Serap Arbak
10:10 – 10:50	Lab: Histology of the Organs Forming the Urinary System _ Group A	Serap Arbak
11:00 – 11:40	Lab: Histology of the Organs Forming the Urinary System _ Group B	Serap Arbak
11:50 – 12:30	Lab: Histology of the Organs Forming the Urinary System _ Group B	Serap Arbak
13:30 – 14:10	Glomerular Filtration	Güldal Süyen
14:20 – 15:00	Glomerular Filtration	Güldal Süyen
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen

25.04.2014 FRIDAY

08:30 – 09:10	Development of the Urinary System	Deniz Yücel
09:20 – 10:00	Development of the Urinary System	Deniz Yücel
10:10 – 10:50	CMPS-VI: Health and Society / <i>Health Economics</i>	Hacer Özgen
11:00 – 11:40	<i>Economic Appraisal</i>	
11:50 – 12:30	CMPS-VI:CMPS <i>Introduction to comprehensive medical practice</i>	Figen Demir, Pınar Topsever
13:30 – 14:10	Congenital Anomalies of Urinary Tract	Özlem Aydın
14:20 – 15:00	Tubular Reabsorption and Secretion	Güldal Süyen
15:10 – 15:50	Tubular Reabsorption and Secretion	Güldal Süyen
16:00 – 16:40	Study time	

26.04.2014 Saturday Comprehensive Medical Practice - I

28.04.2014 MONDAY		
08:30 – 09:10	Renal Function Tests and Urinalysis	Abdurrahman Coşkun
09:20 – 10:00	Renal Function Tests and Urinalysis	Abdurrahman Coşkun
10:10 – 10:50	Micturition	Güldal Süyen
11:00 – 11:40	Regulation of ECF Ion Concentrations	Güldal Süyen
11:50 – 12:30	Regulation of ECF Ion Concentrations	Güldal Süyen
13:30 – 14:10	Lab:Urine Examination _ Group A	Aysel Özpınar Abdurrahman Coşkun
14:20 – 15:00	Lab:Urine Examination _ Group A	
15:10 – 15:50	Lab:Urine Examination _ Group B	
16:00 – 16:40	Lab:Urine Examination _ Group B	

29.04.2014 TUESDAY		
08:30 – 09:10	Study time	
09:20 – 10:00	Agents Affecting Renal Conservation of Water	Filiz Onat
10:10 – 10:50	Agents Affecting Renal Conservation of Water	Filiz Onat
11:00 – 11:40	Acid Base Balance	Güldal Süyen
11:50 – 12:30	Acid Base Balance	Güldal Süyen
13:30 – 14:10	Acid Base Balance Disorders	Ülkem Çakır
14:20 – 15:00	Sodium Metabolism and Edema	Ülkem Çakır
15:10 – 15:50	Hereditary Basis of Renal Disorders	Yavuz Oktay
16:00 – 16:40	Study time	

30.04.2014 WEDNESDAY		
08:30 – 09:10	CMPS VI: Health and Society <i>Field study in primary Health Care Centers(PHC)</i>	Trainers in PHC
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10	Study time	
14:20 – 15:00	Study time	
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	

01.05.2014 THURSDAY		
<b>Labour and Solidarity Day</b>		

02.05.2014 FRIDAY		
08:30 – 09:10	Robotic systems in medicine (MI&BT)	Cem Batukan
09:20 – 10:00	In vitro fertilization (MI&BT)	Tayfun Bağış
10:10 – 10:50	CMPS VI: Health and Society: <i>Health Systems and Policy</i>	Yeşim Yasin
11:00 – 11:40		
11:50 – 12:30	Study time	
13:30 – 14:10	Study time	
Medical Informatics and Biomedical Technologies (MI&BT)-II		
14:20 – 16:40	Group A: <i>Robotic systems in medicine</i> Cem Batukan, Selçuk Keskin, İlder Tüfek	Group B: <i>In vitro fertilization</i> Tayfun Bağış

03.05.2014 Saturday Comprehensive Medical Practice – II

05.05.2014 MONDAY		
08:30 – 09:10	Pathology of Tubular and Interstitial Diseases of Kidney	Hale Kırımlioğlu
09:20 – 10:00	Pathology of Tubular and Interstitial Diseases of Kidney	Hale Kırımlioğlu
10:10 – 10:50	Tubular disorders	Gamze Bereket
11:00 – 11:40	Conditions Associated with Hematuria	Gamze Bereket
11:50 – 12:30	Conditions Associated with Hematuria	Gamze Bereket
13:30 – 14:10	Conditions Associated with Proteinuria	Gamze Bereket
14:20 – 15:00	Conditions Associated with Proteinuria	Gamze Bereket
15:10 – 15:50	Pathology of Vascular Diseases of Kidney	Yeşim Sağlıcan
16:00 – 16:40	Nuclear Medicine in Renal Disorders	Levent Güner

06.05.2014 TUESDAY		
08:30 – 09:10	Pathology of Glomerular Diseases	Hale Kırımlioğlu
09:20 – 10:00	Pathology of Glomerular Diseases	Hale Kırımlioğlu
10:10 – 10:50	Pathology of Glomerular Diseases	Hale Kırımlioğlu
11:00 – 11:40	Pathology of Glomerular Diseases	Hale Kırımlioğlu
11:50 – 12:30	Acute Renal Failure	Ülkem Çakır
13:30 – 14:10	Chronic Renal Failure	Ülkem Çakır
14:20 – 15:00	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
15:10 – 15:50	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen
16:00 – 16:40	Medical English	L. Angelo, G. Çiftçioğlu, P. Owen

07.05.2014 WEDNESDAY		
08:30 – 09:10	CMPS VI: Health and Society <i>Field study in primary Health Care Centers (PHC)</i>	Trainers in PHC
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10		
14:20 – 15:00		
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	

08.04.2014 THURSDAY		
08:30 – 09:10	Diabetic Nephropathy	Ülkem Çakır
09:20 – 10:00	Hypertension: Pathogenesis and Clinical Appearance	Ülkem Çakır
10:10 – 10:50	Radiologic Anatomy and Imaging Modalities in Urogenital System	M. Erdem Yıldız
11:00 – 11:40	Radiologic Anatomy and Imaging Modalities in Urogenital System	M. Erdem Yıldız
11:50 – 12:30	CMPS: Health and Society: Field Study in PHC Reflection_ Group A & B	
13:30 – 14:10	Imaging of Disease and Algorhytm in Urogenital System	M. Erdem Yıldız
14:20 – 15:00	Imaging of Disease and Algorhytm in Urogenital System	M. Erdem Yıldız
15:10 – 15:50	Urologic Symptoms and Physical Examination	Hakan Özveri
16:00 – 16:40	Urologic Basic Diagnostic Modalities	İsmail Cenk Acar

09.05.2014 FRIDAY		
08:30 – 09:10	Interactive module	
09:20 – 10:00	Interactive module	
10:10 – 10:50	CMPS VI: Health and Society: <i>Health Systems and Policy</i>	Yeşim Yasin
11:00 – 11:40	CMPS: Health and Society: Field Study in PHC Reflection_ Group A & B	
11:50 – 12:30		
13:30 – 14:10	Study time	
Medical Informatics and Biomedical Technologies (MI&BT)-II		
14:20 – 16:40	Group B: <i>Robotic systems in medicine</i> Cem Barukan, Selçuk Keskin, İlter Tüfek	Group A: <i>In vitro fertilization</i> Tayfun Bağış

12.05.2014 MONDAY		
08:30 – 09:10	Study time	
09:20 – 10:00	Study time	
10:10 – 10:50	Stone Disease	Bora Özveren
11:00 – 11:40	Pediatric Urology	Selçuk Keskin
11:50 – 12:30	Pathology of Renal Tumors	Yeşim Sağlıcan
13:30 – 14:10		
14:20 – 15:00	CMPS VI-Tutor feed-back to students	Tutors
15:10 – 15:50		
16:00 – 16:40		

13.05.2014 TUESDAY		
08:30 – 09:10	Urinary Tract System Infections	Tanıl Kocagöz
09:20 – 10:00	Urinary Tract System Infections	Tanıl Kocagöz
10:10 – 10:50	Adult and Pediatric UTI	Burak Özkan
11:00 – 11:40	Agents for Urinary Tract Infections	Filiz Onat
11:50 – 12:30	Management of the Patient with Urinary Incontinence in Primary Care	Şirin Parkan
13:30 – 14:10	Drugs Affecting Bladder Functions	İ. Hakkı Ulus
14:20 – 15:00	Medical English - Journal Club	L. Angelo, G. Çiftçiöglü, P. Owen
15:10 – 15:50	Medical English - Journal Club	L. Angelo, G. Çiftçiöglü, P. Owen
16:00 – 16:40	Medical English - Journal Club	L. Angelo, G. Çiftçiöglü, P. Owen

14.05.2014 WEDNESDAY		
08:30 – 09:10	CMPS VI: Health and Society <i>Field study in primary Health Care Centers (PHC)</i>	Trainers in PHC
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10		
14:20 – 15:00	Study time	
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	

15.05.2014 THURSDAY		
08:30 – 09:10	Study time	
09:20 – 10:00	Study time	
10:10 – 10:50	Study time	
11:00 – 11:40	Pelvis and Perineum	Alp Bayramoğlu
11:50 – 12:30	Vessels of Pelvis	Alp Bayramoğlu
13:30 – 14:10	Lab: Pelvis and Perineum, Vessels of Pelvis (Group A)	Alp Bayramoğlu
14:20 – 15:00	Lab: Pelvis and Perineum, Vessels of Pelvis (Group B)	Alp Bayramoğlu
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	

16.05.2014 FRIDAY		
08:30 – 09:10	Interactive module	
09:20 – 10:00	Interactive module	
10:10 – 10:50	Osmosis, dialysis and molecular filtration (MI&BT)	Devrim Öz Arslan
11:00 – 11:40	Gynecologic Endoscopic Systems (MI&BT)	Serkan Erkanlı
11:50 – 12:30	Study time	
13:30 – 14:10	Study time	
14:20 – 15:00	Medical Informatics and Biomedical Technologies (MI&BT)-II	
15:10 – 15:50	Group A: Artificial Kidney	Group B: Gynecologic Endoscopic Systems
16:00 – 16:40	Ülkem Çakır	Serkan Erkanlı

19.05.2014 MONDAY

Commemoration Atatürk, Youth and Sports Day

20.05.2014 TUESDAY

08:30 – 09:10	Study time	
09:20 – 10:00	<b>MED 306 MID- COMMITTEE EXAMINATION</b>	
10:10 – 10:50		
11:00 – 11:40	Male Genital Organs	Elif Keskinöz
11:50 – 12:30	Female Genital Organs	Elif Keskinöz
13:30 – 14:10	Study time	
14:20 – 15:00		
15:10 – 15:50	<b>Course Examination ENG 302</b>	
16:00 – 16:40		

21.05.2014 WEDNESDAY

08:30 – 09:10	CMPS VI: Health and Society <i>Field study in primary Health Care Centers (PHC)</i>	Trainers in PHC
09:20 – 10:00		
10:10 – 10:50		
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10		
14:20 – 15:00	Study time	
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	

22.05.2014 THURSDAY

08:30 – 09:10	Female Genital Organs & Male Genital Organs _Group A	Elif Keskinöz
09:20 – 10:00	Female Genital Organs & Male Genital Organs _ Group B	Elif Keskinöz
10:10 – 10:50	Histology of the Organs Forming the Female Reproductive System	Serap Arbak
11:00 – 11:40	Histology of the Organs Forming the Female Reproductive System	Serap Arbak
11:50 – 12:30	Study time	
13:30 – 14:10	Lab: Histology of the Organs Forming the Female Reproductive System _ Group B	Serap Arbak
14:20 – 15:00	Lab: Histology of the Organs Forming the Female Reproductive System _ Group B	Serap Arbak
15:10 – 15:50	Lab: Histology of the Organs Forming the Female Reproductive System _Group A	Serap Arbak
16:00 – 16:40	Lab: Histology of the Organs Forming the Female Reproductive System _Group A	Serap Arbak

23.05.2014 FRIDAY

08:30 – 09:10	Interactive module	
09:20 – 10:00	Interactive module	
10:10 – 10:50	Histology of the Organs Forming the Male Reproductive System	Deniz Yücel
11:00 – 11:40	Histology of the Organs Forming the Male Reproductive System	Deniz Yücel
11:50 – 12:30	Prostate diseases (BPH, prostate cancer and hematuria)	İlter Tüfek
13:30 – 14:10	Study time	
14:20 – 15:00	Medical Informatics and Biomedical Technologies (MI&BT)-II	
15:10 – 15:50	<b>Group B:</b> <i>Artificial Kidney</i> Ülkem Çakır	<b>Group A:</b> <i>Gynecologic Endoscopic Systems</i> Serkan Erkanlı
16:00 – 16:40		

24.05.2014 Saturday Comprehensive Medical Practice - III

**26.05.2014 MONDAY**

08:30 – 09:10	Male Reproductive Function	Güldal Süyen
09:20 – 10:00	Lab: Histology of the Organs Forming the Male Reproductive System (Group B )	Deniz Yücel
10:10 – 10:50	Lab: Histology of the Organs Forming the Male Reproductive System (Group B )	Deniz Yücel
11:00 – 11:40	Lab: Histology of the Organs Forming the Male Reproductive System (Group A )	Deniz Yücel
11:50 – 12:30	Lab: Histology of the Organs Forming the Male Reproductive System (Group A )	Deniz Yücel
13:30 – 14:10	Pathology of Urinary Tract	Yeşim Sağlıcan
14:20 – 15:00	Pathology of prostate	Yeşim Sağlıcan
15:10 – 15:50	Development of the Reproductive System	Serap Arbak
16:00 – 16:40	Development of the Reproductive System	Serap Arbak

**27.05.2014 TUESDAY**

08:30 – 09:10	Study time	
09:20 – 10:00	Study time	
10:10 – 10:50	Study time	
11:00 – 11:40	Study time	
11:50 – 12:30	Study time	
13:30 – 14:10		
14:20 – 15:00	<b>MED 311 MI-BT-II Subject Committee Examination</b>	
15:10 – 15:50		
16:00 – 16:40		

**28.05.2014 WEDNESDAY**

08:30 – 09:10		
09:20 – 10:00		
10:10 – 10:50	CMPS VI: Health and Society <i>Field study in primary Health Care Centers(PHC)</i>	Trainers in PHC
11:00 – 11:40		
11:50 – 12:30		
13:30 – 14:10		
14:20 – 15:00	Study time	
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	

**29.05.2014 THURSDAY**

	<b>4<sup>th</sup> STUDENT RESEARCH CONGRESS</b>
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**30.05.2014 FRIDAY**

	<b>4<sup>th</sup> STUDENT RESEARCH CONGRESS</b>
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**31.05.2014 SATURDAY**

	<b>4<sup>th</sup> STUDENT RESEARCH CONGRESS</b>
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02.06.2014 MONDAY		
08:30 – 09:10	Female Reproductive Function	Güldal Süyen
09:20 – 10:00	Female Reproductive Function	Güldal Süyen
10:10 – 10:50	Biochemistry of Reproductive Hormones	Aysel Özpınar
11:00 – 11:40	Biochemistry of Reproductive Hormones	Aysel Özpınar
11:50 – 12:30	Gynecologic History Taking, Pelvic Examination and Diagnostic Modalities	Serkan Erkanlı
13:30 – 14:10	Fertilization, Implantation and Reproductive Immunology	Tayfun Bağış
14:20 – 15:00	Principles of Antenatal Care and Obstetric Examination	Derya Eroğlu
15:10 – 15:50	Pregnancy Physiology	Güldal Süyen
16:00 – 16:40	Pregnancy and Kidney	Ülkem Çakır

03.06.2014 TUESDAY		
08:30 – 09:10	Androgens and anti-androgens	Filiz Onat
09:20 – 10:00	Normal Labor and Delivery	Özlem Pata
10:10 – 10:50	Screening Tests in Pregnancy and Diagnostic Procedures	Cem Batukan
11:00 – 11:40	CMPS-VI: Skills Related to Subject Committee	
11:50 – 12:30	CMPS-VI: Skills Related to Subject Committee	
13:30 – 14:10	CMPS-VI: Skills Related to Subject Committee	
14:20 – 15:00	CMPS-VI: Skills Related to Subject Committee	
15:10 – 15:50	CMPS-VI: Skills Related to Subject Committee	
16:00 – 16:40	CMPS-VI: Skills Related to Subject Committee	
16:50 – 17:30	CMPS-VI: Skills Related to Subject Committee	

04.06.2014 WEDNESDAY		
08:30 – 09:10	Study time	
09:20 – 10:00	Study time	
10:10 – 10:50	Study time	
11:00 – 11:40	Study time	
11:50 – 12:30	Study time	
13:30 – 14:10	<b>MED 308 CMPS VI Subject Committee Examination</b>	
14:20 – 15:00		
15:10 – 15:50		
16:00 – 16:40		

05.06.2014 THURSDAY		
08:30 – 09:10	Estrogens, Progestins and Contraceptives	İsmail H. Ulus
09:20 – 10:00	Estrogens, Progestins and Contraceptives	İsmail H. Ulus
10:10 – 10:50	Physiologic Changes in the Puerperium	İbrahim Bildirici
11:00 – 11:40	Congenital Infections	Sesin Kocagöz
11:50 – 12:30	Congenital Infections	Sesin Kocagöz
13:30 – 14:10	Male Sexual Dysfunction	Enis Rauf Coşkuner
14:20 – 15:00	Agents for Erectile Dysfunction	İ.Hakkı Ulus
15:10 – 15:50	Gestational trophoblastic diseases and placental disorders	Handan Zeren
16:00 – 16:40	Pathology of non neoplastic uterine corpus	Handan Zeren

06.06.2014 FRIDAY		
08:30 – 09:10	Adolescent health and STD's	Demet Dinç
09:20 – 10:00	Reproductive Health	Figen Demir
10:10 – 10:50	Sexually Transmitted and other Genital Infections	Sesin Kocagöz
11:00 – 11:40	Sexually Transmitted and other Genital Infections	Sesin Kocagöz
11:50 – 12:30	Postmenapousal Hormone Replacement Therapy	Filiz Onat
13:30 – 14:10	Pathology of vulva, vagina and cervix	Handan Zeren
14:20 – 15:00	Pathology of vulva, vagina and cervix	Handan Zeren
15:10 – 15:50	Pathology of testis	Yeşim Sağlıcan
16:00 – 16:40	Pathology of testis	Yeşim Sağlıcan

**09.06.2014 MONDAY**

08:30 – 09:10	Cytology of female reproductive system	Handan Zeren
09:20 – 10:00	Pathology of neoplastic uterine corpus	Handan Zeren
10:10 – 10:50	Pathology of ovary and fallopian tubes	Handan Zeren
11:00 – 11:40	Pathology of breast	Yeşim Sağlıcan
11:50 – 12:30	Pathology of breast	Yeşim Sağlıcan
13:30 – 14:10	Genetic basis of breast and ovarian diseases	Cemaliye Akyerli Boylu
14:20 – 15:00	Breast Cancer	Neslihan Cabioğlu
15:10 – 15:50	Breast imaging and biopsy	Ümit Özcan
16:00 – 16:40	Breast imaging and biopsy	Ümit Özcan

**10.06.2014 TUESDAY**

08:30 – 09:10	Prenatal Diagnosis	M.Cengiz Yakıcıer
09:20 – 10:00	Prenatal Diagnosis	M.Cengiz Yakıcıer
10:10 – 10:50	Contraception	Tansu Küçük
11:00 – 11:40	Family planning and contraception: counseling and informed choice	Pınar Topsever
11:50 – 12:30	Safe motherhood	Figen Demir
13:30 – 14:10	Study time	
14:20 – 15:00	Study time	
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	

**11.06.2014 WEDNESDAY**

08:30 – 09:10	Study time	
09:20 – 10:00	Study time	
10:10 – 10:50	Study time	
11:00 – 11:40	Study time	
11:50 – 12:30	Study time	
13:30 – 14:10	Study time	
14:20 – 15:00	Study time	
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	

**12.06.2014 THURSDAY**

08:30 – 09:10	Study time	
09:20 – 10:00	Study time	
10:10 – 10:50	Study time	
11:00 – 11:40	Study time	
11:50 – 12:30	Study time	
13:30 – 14:10	Study time	
14:20 – 15:00	Study time	
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	

**13.06.2014 FRIDAY**

08:30 – 09:10	Study time	
09:20 – 10:00	Study time	
10:10 – 10:50	Study time	
11:00 – 11:40	Study time	
11:50 – 12:30	Study time	
13:30 – 14:10	Study time	
14:20 – 15:00	Study time	
15:10 – 15:50	Study time	
16:00 – 16:40	Study time	

16.06.2014 MONDAY

08:30 – 09:10

09:20 – 10:00

10:10 – 10:50

11:00 – 11:40

11:50 – 12:30

MED 306 SUBJECT COMMITTEE PRACTICAL AND THEORETICAL EXAMINATION

13:30 – 14:10

14:20 – 15:00

15:10 – 15:50

16:00 – 16:40





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# 2013-2014 OTHER COURSE INFORMATION

SCHOOL OF MEDICINE

Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	36	Credit	ECTS
			Practical (Hour)	81		
<b>Medical English-I &amp; II</b>	ENG 101 & 102	Fall & Spring	<b>Study time</b> (Hour)	40	6	6

<b>Educational Language</b>	:	English
<b>Course Type</b>	:	Compulsory
<b>Course Level</b>	:	Undergraduate
<b>Year Coordinators</b>	:	Prof. Serap Arbak serap.arbak@acibadem.edu.tr Assist. Prof. Cemaliye Akyerli Boylu cemaliye.boylu@acibadem.edu.tr
<b>Course Coordinators</b>	:	Prof. Sesin Kocagöz sesinsesin@gmail.com Assoc. Prof. Pınar Topsever pinar.topsever@acibadem.edu.tr
<b>Academic Units &amp; Staff</b>	:	Lisa J. Angelo, Instructor Gergana Çiftçioğlu, Instructor Patrick Roger Owen, Instructor
<b>Course Duration</b>	:	25.10.2013 - 31.01.2014 & 24.02.2014 - 06.06.2014
<b>Educational Methods</b>	:	Theoretical and practical courses: multimedia sessions, role play, peer discussions, plenary sessions with student presentations, lectures, reading and listening comprehension exercises of <b>simple</b> medical conversations and <b>basic</b> texts, analyses of <b>simple</b> medical texts (popular media, general health information leaflets etc.)
<b>Assessment Methods</b>	:	Theoretical written examinations (MCQs), essays, performance based assessment (oral and poster presentations), medical text analysis home works
<b>Course Aims</b>	:	The aim of the “Medical English – I &II” courses is to <b>support the medical curriculum</b> by providing a <b>linguistic introduction</b> to the use of the <b>basic</b> English language for professional activities (including <b>basic scholarly communication</b> ) and in daily medical practice.
<b>Learning Outcomes</b>	:	By the end of this course, the students will: <ul style="list-style-type: none"> <li>• be proficient in <b>general</b> medical terminology (<b>daily language</b> and <b>introduction to professional jargon</b>)</li> <li>• be able to comprehend and interpret spoken and written <b>basic</b> English medical language and texts</li> <li>• be able to engage in active <b>basic medical discourse</b> (daily language with patients and their carers (laypeople) and professional jargon with colleagues and other health professionals)</li> <li>• <b>display basic scholarly communication skills</b> (Spring semester) (writing a structured abstract, preparing a poster presentation, preparing and presenting an oral presentation on a <b>simple scientific topic</b> to a professional, as well as, lay audience</li> </ul>

Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	40	Credit	ECTS
			Practical (Hour)	81		
Medical English-III &IV	ENG 201 & 202	Fall & Spring	Study time (Hour)	25	6	6

<b>Educational Language</b>	:	English
<b>Course Type</b>	:	Compulsory
<b>Course Level</b>	:	Undergraduate
<b>Year Coordinators</b>	:	Prof. Tanıl Kocagöz; tanil.kocagöz@acibadem.edu.tr Assist. Prof. Devrim Öz Arslan; devrim.arslan@acibadem.edu.tr
<b>Course Coordinator</b>	:	Prof. Sesin Kocagöz; sesinsesin@gmail.com Assoc. Prof. Pınar Topsever; pinar.topsever@acibadem.edu.tr
<b>Academic Units &amp; Staff</b>	:	Lisa J. Angelo, Instructor Gergana Çiftçioğlu, Instructor Patrick Roger Owen, Instructor
<b>Course Duration</b>	:	23.10.2013 - 31.01.2014 & 27.02.2014-22.05.2014
<b>Educational Methods</b>	:	Theoretical and practical courses: multimedia sessions, role play, peer discussions, plenary sessions with student presentations, lectures, reading and listening comprehension exercises of medical discourses and texts (popular media, general health information leaflets etc.), analyses of medical texts (literature in journal clubs)
<b>Assessment Methods</b>	:	Theoretical written examinations (MCQs), essays, performance based assessment (oral and poster presentations), literature analysis home works
<b>Course Aims</b>	:	The aim of the “Medical English – III & IV” courses is to <b>provide proficiency</b> in the use of the English language for professional activities ( <b>CPD and scholarly communication</b> ) and in daily medical practice.
<b>Learning Outcomes</b>	:	By the end of this course, the students will: <ul style="list-style-type: none"> <li>• be proficient in specific medical terminology (daily language and professional jargon) regarding the clinical subject committees of year II (Musculoskeletal System, Hematopoietic and Immune System, Respiratory System)</li> <li>• be able to comprehend and use basic research terminology</li> <li>• be able to comprehend and interpret spoken and written English medical language and texts</li> <li>• be able to engage in active medical discourse (daily language with patients and their carers (laypeople) and professional jargon with colleagues and other health professionals) and scholarly communication</li> <li>• be able to do a directed database literature search</li> <li>• be able to write a research proposal</li> <li>• be able to write a structured research abstract</li> <li>• be able to prepare and to present (oral) a <b>scientific topic</b> to a professional audience</li> </ul>

Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	30	Credit	ECTS
			Practical (Hour)	60		
<b>Medical English-V &amp;VI</b>	<b>ENG 301 &amp; 302</b>	Fall & Spring	<b>Study time</b> (Hour)	55	5	6

<b>Educational Language</b>	:	English
<b>Course Type</b>	:	Compulsory
<b>Course Level</b>	:	Undergraduate
<b>Year Coordinators</b>	:	Prof. İsmail Hakkı Ulus; ihakki.ulus@acibadem.edu.tr Assoc. Prof. Nadi Bakırcı; nadi.bakirci@acibadem.edu.tr
<b>Course Coordinator</b>	:	Prof. Sesin Kocagöz; sesinsesin@gmail.com Assoc. Prof. Pınar Topsever; pinar.topsever@acibadem.edu.tr
<b>Academic Units &amp; Staff</b>	:	Lisa J. Angelo, Instructor Gergana Çiftçioğlu, Instructor Patrick Roger Owen, Instructor
<b>Course Duration</b>	:	22.10.2013- 07.02.2014 & 06.03.2014-20.05.2014
<b>Educational Methods</b>	:	Theoretical and practical courses: multimedia sessions, role play, peer discussions, plenary sessions with student presentations, lectures, reading and listening comprehension exercises of medical discourses and texts, analyses of medical texts (literature analyses in journal clubs etc.)
<b>Assessment Methods</b>	:	Theoretical written examinations (MCQs), essays, performance based assessment (oral and poster presentations), literature analysis home works
<b>Course Aims</b>	:	The aim of the “Medical English – V & VI” courses is to provide <b>proficiency</b> in the use of the English language for <b>advanced professional activities</b> (CPD and scholarly communication) <b>and in daily medical practice</b>
<b>Learning Outcomes</b>	:	<p>By the end of this course, the students will:</p> <ul style="list-style-type: none"> <li>• be <b>proficient in specific medical terminology</b> (daily language and professional jargon) <b>regarding the clinical subject committees of year III</b> (Cardiovascular System, Urinary and Reproductive System, Nervous System, Endocrine System, Gastrointestinal System)</li> <li>• be able to comprehend and interpret spoken and written English medical language and texts</li> <li>• be able to engage in active medical discourse (daily language with patients and their carers (laypeople) and professional jargon with colleagues and other health professionals) and <b>scholarly communication</b></li> <li>• <i>be proficient in <b>English research terminology</b></i> <ul style="list-style-type: none"> <li>• <i>be able to write a professional curriculum vitae</i></li> <li>• <i>be able to write an application letter for a professional placement</i></li> <li>• <i>be able to prepare and hold an oral presentation on a specific medical topic for a scientific audience</i></li> <li>• <i>be able to critically appraise a scientific publication of medical research</i></li> <li>• <i>be able to write a scientific research article about their own research project</i></li> <li>• <i>be able to understand medical chart information including abbreviations</i></li> <li>• be able to do <b>health counselling</b> for patients and carers</li> </ul> </li> </ul>

Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	56	Credit	ECTS
			Practical (Hour)			
<b>Atatürk's Principles- History of Revolution I &amp; II</b>	ATA 101 & ATA 102	Fall-Spring	<b>Study time</b> (Hour)	6	4	2

<b>Educational Language</b>	:	Turkish
<b>Course Type</b>	:	Compulsory
<b>Course Level</b>	:	Undergraduate
<b>Year Coordinators</b>	:	Prof. Serap Arbak; serap.arbak@acibadem.edu.tr Assist. Prof. Cemaliye Akyerli Boylu; cemaliye.boylu@acibadem.edu.tr
<b>Course Coordinator</b>	:	Özgür Mutlu ULUS, Ph.D., Assist. Prof.
<b>Educational Methods</b>	:	Theoretical Courses, Discussions, Homeworks
<b>Assessment Methods</b>	:	Theoretical Examinations
<b>Course Aims</b>	:	This course is a survey of modernization process of Turkey from the 19th century onwards. It deals with topics in the economic, social and political history focusing on Turkish revolution known as "Atatürk's revolutions". The course will explore the characteristics of Turkish Revolution in comparison with revolutions of the modern age in both Western and Eastern states. The students will learn about the impact of the Age of Enlightenment and the French Revolution on both the collapse of the Ottoman Empire and the founding principles of the modern Turkish Republic.
<b>Learning Outcomes</b>	:	By the end of this course, the students will be able to: <ul style="list-style-type: none"> <li>• <i>gain knowledge on social, economic and political developments in the 19th and early 20th century of Turkey</i></li> <li>• <i>become familiar with notions of modern political concepts such as nationalism and bourgeois revolution to understand the nature of Turkish revolution</i></li> <li>• <i>explore the continuities and change from the Ottoman Empire to the Republic</i></li> <li>• <i>get a comprehensive view on the formation and structure of the Turkish Revolution through a comparative perspective</i></li> <li>• <i>learn in-depth about external and internal problems in building a Republic</i></li> <li>• <i>get different historiographical views on Atatürk's revolutions and principles</i></li> <li>• <i>learn about the impact of Atatürk and Turkish Revolution in other countries</i></li> <li>• <i>understand the aims and goals of Atatürk</i></li> <li>• <i>learn about early Republican Era and transition to multi-parliamentary era</i></li> </ul>

Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	56	Credit	ECTS
			Practical (Hour)			
<b>Turkish Language- Literature I &amp; II</b>	TUR 101 & TUR 102	Fall-Spring	<b>Study time</b> (Hour)	6	4	2

<b>Educational Language</b>	:	Turkish
<b>Course Type</b>	:	Compulsory
<b>Course Level</b>	:	Undergraduate
<b>Year Coordinators</b>	:	Prof. Serap Arbak; serap.arbak@acibadem.edu.tr Assist. Prof. Cemaliye Akyerli Boylu; cemaliye.boylu@acibadem.edu.tr
<b>Course Coordinator</b>	:	Hülya DÜNDAR ŞAHİN, Ph.D., Assist.Prof.
<b>Educational Methods</b>	:	Theoretical Courses, Discussions, Homeworks
<b>Assessment Methods</b>	:	Theoretical Examinations
<b>Course Aims</b>	:	This course aims to gain knowledge about the importance of Turkish language and literature. Impact of language on cultural development will be pointed out. Emphasis is placed on reading, interpreting and discussing selected prose, novels, stories and poetry. Correct use of Turkish will be discussed with examples of narration defects, punctuation, and spelling mistakes.
<b>Learning Outcomes</b>	:	By the end of this course, the students will be able to: <ul style="list-style-type: none"> <li>• explain the features of written language</li> <li>• define the rules for written explanation</li> <li>• describe grammar rules</li> <li>• indicate the rules for punctuation</li> <li>• describe the concepts of writing an essay</li> <li>• define the methods to express himself</li> </ul>

Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	28	Credit	ECTS
			Practical (Hour)			
<b>Health &amp; Drama</b>	ELE 103	Fall-Spring	<b>Study time</b> (Hour)	3	2	1
<b>Educational Language</b>	:	Turkish				
<b>Course Type</b>	:	Elective				
<b>Course Level</b>	:	Undergraduate				
<b>Year Coordinators</b>	:	Prof. Serap Arbak; serap.arbak@acibadem.edu.tr Assist. Prof. Cemaliye Akyerli Boylu; cemaliye.boylu@acibadem.edu.tr				
<b>Course Coordinator</b>	:	Şirin PARKAN, M.D.				
<b>Educational Methods</b>	:	Theoretical Courses, Discussions, Homeworks				
<b>Assessment Methods</b>	:	Theoretical Examinations				
<b>Course Aims</b>	:	This course aims to provide to students redounded levels of comments and criticism for previously gathered knowledge and skills. Students will be oriented to ameliorate their sensibility for ethical and social problems together with their intellectual levels and self-representations.				
<b>Learning Outcomes</b>	:	<p>By the end of this course, the students will be able to:</p> <ul style="list-style-type: none"> <li>• create an history through dramatization</li> <li>• discuss and compare types of acting</li> <li>• investigate designs and forms</li> <li>• declare his own opinion about historical and sociopolitical importance of drama</li> <li>• express himself</li> <li>• develop a clear and comprehensible language</li> <li>• create an attitude open to corporal and verbal communication</li> </ul>				

Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	28	Credit	ECTS
			Practical (Hour)			
<b>History of Art</b>	ELE 101	Fall-Spring	<b>Study time (Hour)</b>	3	2	1

<b>Educational Language</b>	:	Turkish
<b>Course Type</b>	:	Elective
<b>Course Level</b>	:	Undergraduate
<b>Year Coordinators</b>	:	Prof. Serap Arbak; serap.arbak@acibadem.edu.tr Assist. Prof. Cemaliye Akyerli Boylu; cemaliye.boylu@acibadem.edu.tr
<b>Course Coordinator</b>	:	Haldun HÜREL
<b>Educational Methods</b>	:	Theoretical Courses, Discussions, Homeworks
<b>Assessment Methods</b>	:	Theoretical Examinations
<b>Course Aims</b>	:	This course aims to reflect cultural knowledge to our intellectual life.
<b>Learning Outcomes</b>	:	<p>By the end of this course, the students will be able to:</p> <ul style="list-style-type: none"> <li>• explain İstanbul's culture, art and history along with its cultural heritage from 2700 years of its own history</li> <li>• analyze both Turkish and global arts</li> <li>• classify all the civilizations established in Anatolia in BC and AC periods</li> <li>• point out the current cultural effects of these Anatolian civilizations</li> </ul>

Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	28	Credit	ECTS
			Practical (Hour)			
<b>History of Science</b>	ELE 105	Fall-Spring	<b>Study time</b> (Hour)	3	2	1

<b>Educational Language</b>	:	Turkish
<b>Course Type</b>	:	Elective
<b>Course Level</b>	:	Undergraduate
<b>Year Coordinators</b>	:	Prof. Serap Arbak; serap.arbak@acibadem.edu.tr Assist. Prof. Cemaliye Akyerli Boylu; cemaliye.boylu@acibadem.edu.tr
<b>Course Coordinator</b>	:	Özgür Mutlu ULUS, Ph.D., Assist. Prof.
<b>Educational Methods</b>	:	Theoretical Courses, Discussions, Homeworks
<b>Assessment Methods</b>	:	Theoretical Examinations
<b>Course Aims</b>	:	This course examines the development of science in society. The survey starts with earliest scientific ideas progressing to science in the modern era with special emphasis on defining science within the cultural context of the age. The students will learn not only about great scientific achievements but also about how definition of science changed over time and how the boundary issues between science and pseudo-science and other cultural traditions such as religion are resolved. Through the analysis of advances, function and implication of science in society the students will get awareness on how science has changed over time and how these changes impacted on our world.
<b>Learning Outcomes</b>	:	<p>By the end of this course, the students will be able to:</p> <ul style="list-style-type: none"> <li>• gain knowledge on the change of science and its impact on society</li> <li>• learn about great scientists, their roles on society, and their contributions</li> <li>• became familiarized with cultural and intellectual movements that shape the functioning of science</li> <li>• learn in-depth about the Age of Enlightenment and the Scientific Revolution</li> <li>• explore what scientific thinking, inquiry and scientific methods are from the Early ages until the 21st century</li> <li>• became familiarized with discussions and debates on/between philosophy, science and religion</li> <li>• learn about development of social sciences</li> </ul>

Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	28	Credit	ECTS
			Practical (Hour)			
<b>Culture of Classical Music</b>	ELE 107	Fall- Spring	<b>Preparation</b> (Hour)	3	2	1

<b>Educational Language</b>	:	Turkish
<b>Course Type</b>	:	Elective
<b>Course Level</b>	:	Undergraduate
<b>Year Coordinators</b>	:	Prof. Tanıl Kocagöz; tanil.kocagöz@acibadem.edu.tr Assist. Prof. Devrim Öz Arslan; devrim.arslan@acibadem.edu.tr
<b>Course Coordinator</b>	:	Feridun HÜREL
<b>Educational Methods</b>	:	Theoretical and Practical Courses, Discussions, Homeworks, Projects
<b>Assessment Methods</b>	:	Theoretical and Practical Examinations
<b>Course Aims</b>	:	This course aims to explain the positive effects of different types of music on human behaviours and intellectual life with the help of scientific proofs
<b>Learning Outcomes</b>	:	By the end of this course, the students will be able to: <ul style="list-style-type: none"> <li>• review musical culture</li> <li>• explain the important facts of music</li> <li>• define and discuss the development of the music from the pre-historic times to the present</li> <li>• classify the famous composers of the 20th century AD</li> </ul>

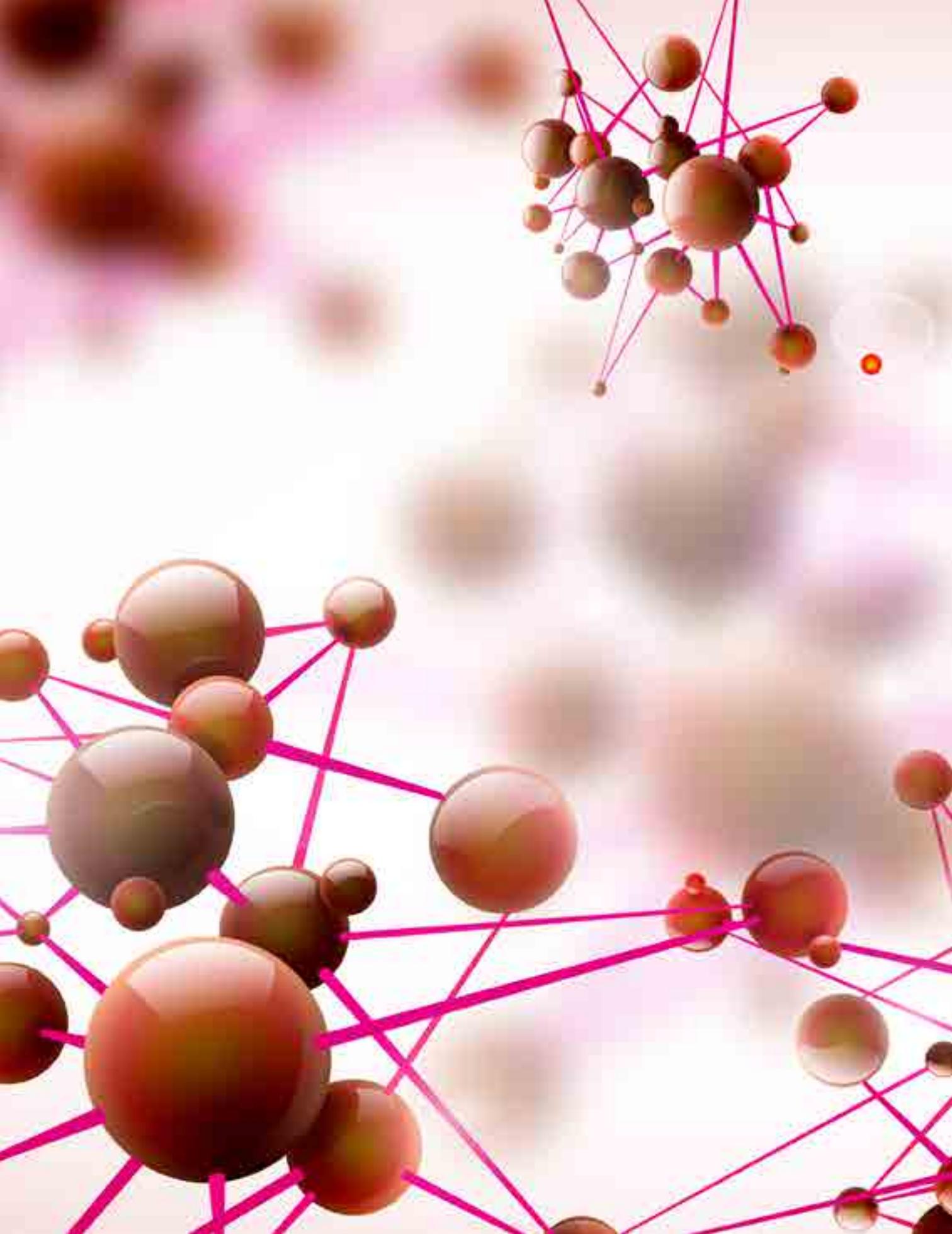
Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	28	Credit	ECTS
			Practical (Hour)			
<b>Creative Approach</b>	ELE 117	Fall- Spring	<b>Preparation (Hour)</b>	3	2	1

<b>Educational Language</b>	:	Turkish
<b>Course Type</b>	:	Elective
<b>Course Level</b>	:	Undergraduate
<b>Year Coordinators</b>	:	Prof. Tanıl Kocagöz; tanil.kocagöz@acibadem.edu.tr Assist. Prof. Devrim Öz Arslan; devrim.arslan@acibadem.edu.tr
<b>Course Coordinator</b>	:	Feridun HÜREL
<b>Educational Methods</b>	:	Theoretical and Practical Courses, Discussions, Homeworks, Projects
<b>Assessment Methods</b>	:	Theoretical and Practical Examinations
<b>Course Aims</b>	:	This course aims to explain the conception of novelty and creativity on scientific approach and also raise awareness of creative potential.
<b>Learning Outcomes</b>	:	By the end of this course, the students will be able to: <ul style="list-style-type: none"> <li>• explain effects of personal creativity on the family and social cultural society</li> <li>• analyze the results of application and situation in relation with psychology and pedagogy</li> <li>• discuss the creative ideas in terms of psychoanalytic points of view and inventory techniques on educational system</li> </ul>

Course Name	Code	Semester (Fall/Spring)	Theoretical (Hour)	28	Credit	ECTS
			Practical (Hour)			
Qualitative Research in Health	ELE	Fall- Spring	Preparation (Hour)	3	2	1

<b>Educational Language</b>	:	Turkish
<b>Course Type</b>	:	Elective
<b>Course Level</b>	:	Undergraduate
<b>Year Coordinators</b>	:	Prof. Tanıl Kocagöz; tanil.kocagöz@acibadem.edu.tr Assist. Prof. Devrim Öz Arslan; devrim.arslan@acibadem.edu.tr
<b>Course Coordinator</b>	:	Assoc. Prof. İnci USER
<b>Educational Methods</b>	:	Theoretical and Practical Courses, Discussions, Homeworks, Projects
<b>Assessment Methods</b>	:	Theoretical and Practical Examinations
<b>Course Aims</b>	:	This course aims to acquaint the medical students with the qualitative research methods employed by social scientists to understand people and societies. The basic philosophy, research designs, techniques of data generation, principles of analysis and related issues of qualitative research methodology are presented with specific emphasis on when and how they can be employed in the context of health.
<b>Learning Outcomes</b>	:	<p>By the end of this course, the students will be able to:</p> <ul style="list-style-type: none"> <li>• explain and discuss the fundamental postulates of qualitative methodology.</li> <li>• discuss the basic differences between the underlying philosophies of qualitative vs conventional methods.</li> <li>• explain and discuss the issues and contexts which will be better understood employing qualitative methods.</li> <li>• explain the research designs and data generation techniques within qualitative methodology.</li> <li>• prepare guides for qualitative interviews and observations.</li> <li>• design a qualitative research project and discuss its quality as well as limitations.</li> <li>• explain the rules of reporting qualitative research.</li> </ul>







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# 2013-2014 YEAR 4

SCHOOL OF MEDICINE

## YEAR 4 CLERKSHIP CREDITS

CLERKSHIPS	DEPARTMENTS	Duration (Weeks)	Theoretical (hours)	Practical (hours)	Study Time	Total	National credits	ECTS
Internal Medicine	Internal Medicine Pulmonary Diseases Cardiology Infectious Diseases	11	120	280	40	440	19	16
Surgery	General Surgery Anesthesiology Thorasic Surgery Plastic surgery Cardiovascular Surgery	10	164	160	70	394	17	15
Pediatrics and Pediatric Surgery	Pediatrics Pediatric Surgery	10	111	264	33	408	17	15
Obstetrics and Gynecology	Obstetrics and Gynecology	7,5	63	226	8	297	13	11
Urology	Urology	2,5	17	68	8	93	4	3
<b>TOTAL</b>		<b>41</b>	<b>475</b>	<b>998</b>	<b>159</b>	<b>1632</b>	<b>70</b>	<b>60</b>

# YEAR 4 CLERKSHIP SCHEDULE OUTLINE

Groups									
<b>A</b>	Internal Medicine (02.09 / 15.11.2013)		Surgery (18.11.2013 / 24.1.2014)	Break	Pediatrics (03.02 / 11.04.2014)	Break	Obst & Gyn (21.04 / 10.06.2014)	Urology (11.06 / 27.06.2014)	
	Obst & Gyn (02.09 / 22.10.2013)	Urology (23.10 / 08.11.2013)	Internal Medicine (18.11.2013 / 31.1.2014)	Break	Surgery (03.02 / 11.04.2014)	Break	Pediatrics (21.04 / 27.06.2014)		
<b>B</b>	Pediatrics (02.09 / 08.11.2013)	Obst & Gyn (02.09 / 22.10.2013)	Obst & Gyn (18.01.2013 / 07.1.2014)	Break	Internal Medicine (03.02 / 18.04.2014)	Break	Surgery (21.04 / 27.06.2014)		
	Surgery (02.09 / 08.11.2013)	Internal Medicine (18.01.2013 / 24.01.2014)	Pediatrics (18.01.2013 / 24.01.2014)	Break	Obst & Gyn (03.02 / 25.03.2014)	Break	Internal Medicine (21.04 / 04.07.2014)		

Obst & Gyn: Obstetrics and Gynecology

CLERKSHIP	YEAR	CODE	Theoretical (hours)	120	National Credits	ECTS
			Practical (hours)	280		
Internal Medicine	2013-2014	MED 401	Study Time (days)	40	19	16

<b>Prerequisite</b>	None
<b>Educational Language</b>	English
<b>Clerkship Type</b>	Compulsory
<b>Clerkship Level</b>	Undergraduate
<b>Year Coordinators</b>	Özlem PATA, M.D., Prof. Yasemin ALANAY, M.D., Ph.D., Assoc. Prof.
<b>Clerkship Coordinator</b>	Gül BAŞARAN, M.D., Prof
<b>Clerkship Subcoordinators</b>	Nurdan TÖZÜN, M.D., Prof. (Internal Medicine) Sesin KOCAGÖZ, M.D., Prof. (Infectious Diseases) Çağlar ÇUHADAROĞLU, M.D., Prof. (Pulmonary Diseases) Sinan DAĞDELEN, M.D., Prof. (Cardiology)
<b>Academic Units &amp; Staff</b>	<p><b>Internal Medicine</b></p> <p><b>Endocrinology</b> Özlem Sezgin MERİÇLİLER, M.D., Assist. Prof. Adnan GÖKÇEL, M.D., Assoc. Prof. Rüştü SERTER, M.D., Assoc. Prof. Ender ARIKAN, M.D., Assoc. Prof.</p> <p><b>Gastroenterology</b> Nurdan TÖZÜN, M.D., Prof. Murat SARUÇ, M.D., Prof. Bahattin ÇIÇEK, M.D., Assoc. Prof. Eser VARDARELİ, M.D., Assoc. Prof. Arzu TİFTİKÇİ, M.D., Assoc. Prof. Orhan TARÇIN, M.D., Assoc. Prof.</p> <p><b>Hematology</b> Siret RATİP, M.D., Prof. Ant UZAY, M.D., Assist. Prof.</p> <p><b>Nephrology</b> Ülkem ÇAKIR, M.D., Assoc. Prof.</p> <p><b>Medical Oncology</b> Gül BAŞARAN, M.D., Prof. Aziz YAĞAR, M.D., Prof. Özlem ER, M.D., Prof. Abdullah BÜYÜKÇELİK, M.D., Assoc. Prof.</p> <p><b>Rheumatology</b> Mehmet KARAAARSLAN, M.D., Assist. Prof.</p> <p><b>Pulmonary Diseases</b> Çağlar ÇUHADAROĞLU, M.D., Prof. Ceyda KİRİŞOĞLU, M.D., Assist. Prof.</p> <p><b>Infectious Diseases</b> Sesin KOCAGÖZ, M.D., Prof. Hülya KUŞOĞLU, M.D., Instructor</p> <p><b>Cardiology</b> Sinan DAĞDELEN, M.D., Prof. Seden Erten ÇELİK, M.D., Assoc. Prof. Ali BUTURAK, M.D., INSTRUCTOR Gökmen GEMİCİ, M.D., Assoc. Prof. Ahmet AKYOL, M.D., Assoc. Prof. Tansu KARAAHMET, M.D., Assist. Prof.</p> <p><b>Medical Ethics</b> Yeşim Işıl ULMAN, Ph.D., Prof</p>

<b>Duration</b>	11 weeks
<b>Aim</b>	The aim of the Internal Medicine Clerkship, is to provide essential clinical approach for screening, diagnosis, current therapeutic options and follow-up for common medical diseases under guidance and integrate this approach with the knowledge, attitudes and skills already acquired in the first 3 years of medical school for clinical practice.
<b>Learning Outcomes</b>	<p><b>By the end of this clerkship, the students will be able to:</b></p> <ul style="list-style-type: none"> <li>• obtain a history, perform a physical examination then present these findings in a logical and concise manner,</li> <li>• develop a problem-oriented method of patient evaluation,</li> <li>• recognize the risk/benefit of medical intervention,</li> <li>• become familiar with humanistic and ethical considerations involved in patient care,</li> <li>• develop conduct and behavior appropriate for a medical professional,</li> <li>• develop and encourage a medical curiosity which will stimulate the student to continue a life-long system of self-education,</li> <li>• develop an evidence-based approach to medical management,</li> <li>• acquire ethical sensitivity and professional motivation during clerkship years by integrating the ethical learning in preclinical years with the clinical experience at ward on actual cases.</li> </ul>
<b>Educational Methods</b>	Lectures Clinical Skills Ward rounds-outpatient clinics Problem Based Learning Case Discussions
<b>Assessment Methods</b>	Clinical Performance Assessment Written Exam Structured Oral Exam

CLERKSHIP	Year	Code	Theoretical (Hour)	164	Credit	ECTS
			Practical (Hour)	160		
Surgery	2012-2013	MED 402	Study time (Hour)	70	17	15

<b>Prerequisite</b>	None
<b>Educational language</b>	English
<b>Course type</b>	Compulsory
<b>Course level</b>	Undergraduate
<b>Year Coordinators</b>	Özlem PATA, M.D., Prof. Yasemin ALANAY, M.D., Ph.D., Assoc. Prof.
<b>Clerkship coordinator(s)</b>	Alihan Gürkan, M.D., Prof.
<b>Clerkship sub-coordinators</b>	Neslihan CABIOĞLU, M.D., Assoc. Prof. (General Surgery) Semih HALEZEROĞLU, M.D., Prof. (Thoracic Surgery) Cem ALHAN, M.D., Prof. (Cardiovascular Surgery) Serpil Ustalar ÖZGEN, M.D., Assist Prof. (Anesthesiology) Aydın Saray, M.D., Prof. (Plastic Surgery)
<b>Academic Staff</b>	<p><b>General Surgery:</b> Alihan GÜRKAN, M.D., Prof. İbrahim BERBER, M.D., Assoc. Prof. Neslihan CABIOĞLU, M.D., Ph.D. Assoc. Prof. Deniz EREN BÖLER, M.D., Assist. Prof. İlknur ERGÜNER, M.D., Assist. Prof. Ercument GÜRLÜER, M.D., Assist. Prof.</p> <p><b>Thoracic Surgery:</b> Semih HALEZEROĞLU, M.D., Prof. Erdal OKUR, M.D., Assoc. Prof.</p> <p><b>Cardiovascular Surgery:</b> Tayyar SARIOĞLU, M.D., Prof. Cem ALHAN, M.D., Prof. Hasan KARABULUT, M.D., Prof. Mehmet Ali ÖZATİK, M.D., Prof. Süleyman ÖZKAN, M.D., Assoc. Prof. Şahin ŞENAY, M.D., Assoc. Prof. Mehmet HAKAN AKAY., Assist. Prof. Ahmet ÜMİT GÜLLÜ., Assist. Prof. Ece SALİHOĞLU, M.D., Assist. Prof.</p> <p><b>Anesthesiology:</b> Nigar BAYKAN, M.D., Prof. Fevzi TORAMAN, M.D., Assoc. Prof. Özcan ERDEMLİ, M.D., Assoc. Prof. Sibel KAHRAMAN AKÖZER, M.D., Assoc. Prof. Serpil Ustalar ÖZGEN, M.D., Assist Prof. Meltem AÇIL, M.D. Muharrem KOÇYİĞİT, M.D. Jülide SAYIN, M.D.</p>

<b>Academic Staff</b>	<b>Plastic Surgery:</b> Aydın SARAY, M.D., Prof. Ferit DEMİRKAN, M.D., Prof. Cengiz AÇIKEL, M.D., Prof. Şükrü YAZAR, M.D., Prof. Halil İBRAHİM CENTER, M.D., Assoc. Prof. BERKHAN YILMAZ, M.D., Assist. Prof.
<b>Duration</b>	10 weeks
<b>Aim</b>	The aim of this course is to teach basic surgical topics to fourth year medical students with lectures, problem based learning, paper presentations and bed side training. Each student expected to incorporate basic knowledge and clinical experience to obtain modern patient-oriented clinical care. During the course, the students will have opportunities to join out- and in- patient care with medical teachers and other health professionals.
<b>Learning Outcomes</b>	At the end of the course, students should be able to: <ul style="list-style-type: none"> <li>• be familiar to anatomy of surgical sites</li> <li>• describe the symptoms and physical findings of patients with surgical disease, ,</li> <li>• analyze the signs and symptoms in a patient</li> <li>• outline the principles of managing surgical patients ( acute abdomen, hemodynamic instability, hemorogie, etc)</li> <li>• differentiate between benign and malignant / acute and chronic / emergent and elective surgical disease.</li> <li>• define fields of anesthesia and understand different methods of anesthesia</li> <li>• obtain basic knowledge and skills of establishing airway maintenance and vascular access</li> <li>• recognize basic principles of anesthetic management for various patients undergoing different surgical procedures in and outside the operating theater</li> <li>• become familiar with algology and critical care units</li> <li>• have the skills of applying basic and advanced life support according to international guidelines</li> <li>• understanding the diagnostic studies and indications for surgical management of CV diseases</li> <li>• recognize essential of the coronary bypass procedure and valvular heart surgery</li> <li>• recognize basic principles of surgical management of congenital cardiac malformations</li> <li>• become familiar with surgical management of thoracic aortic disease</li> <li>• explain early and late outcomes of the surgical management of adult and congenital heart diseases</li> </ul>
<b>Course Methods</b>	Lectures Bed Side Training Case studies Active Presentation and Discussion Attendance to Surgery, ICU / Unit Visit Out Patient Clinics
<b>Assessment Methods</b>	Clinical Performance Assessment Structured Oral Exam Written Exam

CLERKSHIP	YEAR	CODE	Theoretical (hours)	111	National Credits	ECTS
			Practical (hours)	264		
Pediatrics and Pediatric Surgery	2013-2014	MED 403	Study Time (hours)	33	17	15

<b>Prerequisite</b>	None
<b>Educational Language</b>	English
<b>Clerkship Type</b>	Compulsory
<b>Clerkship Level</b>	Undergraduate
<b>Year Coordinators</b>	Özlem PATA, M.D., Prof. Yasemin ALANAY, M.D., Ph.D., Assoc. Prof.
<b>Clerkship Coordinator</b>	Yasemin ALANAY, M.D., Ph.D., Assoc. Prof.
<b>Clerkship Subcoordinators</b>	Alpay ÇELİKER, M.D., Prof., Chairman, Pediatrics Latif ABBASOĞLU, M.D., Chairman, Pediatric Surgery
<b>Academic Units and Staff</b>	<p><b>Pediatrics</b></p> <p><b><i>Pediatric Cardiology</i></b> Alpay ÇELİKER, M.D., Prof. Arda SAYGILI, M.D., Assoc. Prof.</p> <p><b><i>Pediatric Endocrinology</i></b> Serap SEMİZ, M.D., Prof.</p> <p><b><i>Pediatric Hematology and Oncology</i></b> Cengiz CANPOLAT, M.D., Prof. Ebru Tuğrul SARİBEYOĞLU, M.D., Assist. Prof. Ertuğrul ERYILMAZ, M.D., Assist. Prof.</p> <p><b><i>Pediatric Genetics</i></b> Yasemin ALANAY, M.D., Ph.D., Assoc. Prof.</p> <p><b><i>Pediatric Neurology</i></b> Uğur IŞIK, M.D., Assoc. Prof.</p> <p><b><i>General Pediatrics</i></b> Müjde ARAPOĞLU, M.D., Assist. Prof. Sibel Aka, M.D., Assoc. Prof.</p> <p><b>Pediatric Surgery</b> Latif ABBASOĞLU, M.D., Prof. Murat ŞANAL, M.D., Assoc. Prof.</p> <p><b>Dermatology</b> Sedef ŞAHİN, M.D., Prof.</p>
<b>Affiliated Staff</b>	Elif DAĞLI, M.D., <b>Pediatric Pulmonology</b> Akgül AKPINARLI, M.D., <b>Assoc. Prof. Pediatric Allergy and Immunology</b> Ülkü TIRAŞ, M.D., <b>Pediatrics, Neonatology</b> Mahir GÜLCAN, M.D., <b>Pediatric Gastroenterology and Hepatology</b> Murat ŞAHİN M.D., Assoc. Prof. <b>Pediatric Cardiology</b>
<b>Duration</b>	10 weeks

<p><b>Aim</b></p>	<p>The purpose of Pediatrics Clerkship is to integrate knowledge, attitudes and skills already acquired in the first 3 years of medical school into the clinical discipline, follow-up of healthy children and practice current diagnostic and therapeutic approaches with guidance in common medical and surgical disease situations.</p> <p>Preoperative preparation, surgery and postoperative care (history, physical examination, laboratory, differential diagnosis) in children with pediatric surgical problems are discussed in overview. The principles of general surgery are discussed with emphasis on physiology of the pediatric population, especially in the neonatal period as a different model from those of adults. The necessity of a unique approach is underlined.</p> <p>Children with common congenital anomalies, surgical pathologies, especially those with associated anomalies requiring surgery are discussed focusing on treatment modalities. Students are encouraged to observe hospitalized children and outpatients, learn disease prevention, early diagnosis and treatment strategies and provide support for the patient and the family.</p>
<p><b>Learning Outcomes</b></p>	<p><b>By the end of this clerkship, the students will be able to:</b></p> <ul style="list-style-type: none"> <li>• develop effective communication skills, oral and written, with peers on their medical team, parents, attendings as well as oral presentations skills in a variety of settings such as work rounds, patient consultations, family meetings, etc.</li> <li>• obtain a pediatric history from the parent and when appropriate from the child.</li> <li>• perform a complete physical examination on patients from infancy through adolescence</li> <li>• develop a clinical assessment and plan, demonstrating critical thinking skills and integration of previous basic science and clinical knowledge into management of pediatric problems.</li> <li>• explain growth and development of healthy neonates, children and adolescents including clinical follow-up</li> <li>• describe immunization practices and common morbidities in childhood, such as cardiac, endocrine, hematologic, immunologic, nephrological, neuromuscular, metabolic, infectious, neoplastic, genetic diseases.</li> </ul>
<p><b>Educational Methods</b></p>	<p>Lectures  Clinical Skills  Ward rounds-outpatient clinics  Problem Based Learning  Case Discussions</p>
<p><b>Assessment Methods</b></p>	<p>Clinical Skills Assessment  Written Exam  Structured Oral Exam</p>

CLERKSHIP	Year	Code	Theoretical (hours)	63	National credits	ECTS
			Practical (hours)	226		
Obstetrics and Gynecology	2013-2014	MED 404	Study time (hours)	15	13	11

<b>Prerequisite</b>	None
<b>Educational language</b>	English
<b>Course Type</b>	Compulsory
<b>Course Level</b>	Undergraduate
<b>Year coordinators</b>	Özlem PATA, M.D., Prof. Yasemin ALANAY, M.D., Ph.D., Assoc. Prof.
<b>Clerkship coordinator(s)</b>	Cem BATUKAN, M.D., Assoc. Prof.
<b>Clerkship sub-coordinator</b>	Esra ÖZBAŞLI, M.D., Instructor
<b>Academic Units &amp; Staff</b>	<b>Obstetrics and Gynecology</b> Mete GÜNGÖR, M.D., Prof, Chairman Tayfun BAĞIŞ, M.D., Prof. Tansu KÜÇÜK, M.D., Prof. Özlem PATA, M.D., Prof. İbrahim BILDİRİCİ, M.D., Prof. Cem BATUKAN, M.D., Assoc. Prof. Serkan ERKANLI, M.D., Assoc. Prof. Hüsnü GÖRGEN, M.D., Assoc. Prof. Derya EROĞLU, M.D., Assoc. Prof. Esra ÖZBAŞLI, M.D., Instructor
<b>Duration</b>	7,5 weeks
<b>Aim</b>	This course aims to provide necessary knowledge about the etiology, pathogenesis, clinical symptoms and signs, differential diagnosis and treatment of male and female genital diseases and preventive measures. Students will be able to interpret laboratory results, findings of radiological examinations and perform several interventions. Additionally, they will learn what their responsibilities are and acquire the necessary attitudes and behaviors about patients' rights and privacy.
<b>Learning outcomes</b>	<b>By the end of this committee, the students will be able to:</b> <ul style="list-style-type: none"> <li>• Diagnose pregnancy, take antenatal care of pregnant woman, identify high risk pregnancies, be able to refer appropriate patients to specialized tertiary centers and define obstetric emergencies</li> <li>• Perform basic obstetric examination</li> <li>• Define conditions for and describe stages of normal vaginal birth and summarize normal labor management</li> <li>• Describe indications for operative vaginal delivery and cesarean section</li> <li>• List common complications of labor and delivery and summarize their basic management principles</li> <li>• Perform basic gynecological examination, define physical findings,</li> <li>• Take cervico-vaginal PAP smear and obtain vaginal swap for microbiological evaluation,</li> </ul>

<p><b>Learning outcomes</b></p>	<ul style="list-style-type: none"> <li>• Describe common gynecological pathologies and summarize their treatment options,</li> <li>• Describe symptoms and physical findings of common gynecological cancers, define screening protocols of gynecological cancers amenable to screening and refer these patients to appropriate centers,</li> <li>• Define diagnostic criteria of infertility, describe the basic evaluation of infertile couples and explain the principles of their management,</li> <li>• Define common contraceptive methods, describe their advantage and disadvantage and counsel couples regarding the most appropriate method of contraception,</li> <li>• Describe symptoms and physical findings of common benign gynecological diseases and define their clinical management,</li> <li>• Describe urinary incontinence, define basic principles of physical examination of patients with urinary incontinence and summarize their management,</li> <li>• Define perimenopausal changes and summarize the management of common conditions of these patients.</li> </ul>
<p><b>Educational methods</b></p>	<p>Lectures Interactive learning session Literature review and presentations Practice in the operating and delivery room</p>
<p><b>Assessment methods</b></p>	<p>Clinical performance assessment Written examination Structured oral examinations</p>

CLERKSHIP	Year	Code	Theoretical (hours)	17	National credits	ECTS
			Practical (hours)	68		
Urology	2013-2014	MED 405	Study time (hours)	8	4	3

<b>Prerequisite</b>	None
<b>Educational language</b>	English
<b>Clerkship Type</b>	Compulsory
<b>Clerkship Level</b>	Undergraduate
<b>Year coordinators</b>	Özlem PATA, M.D., Prof. Yasemin ALANAY, M.D., Ph.D., Assoc. Prof.
<b>Clerkship coordinator</b>	Selçuk KESKİN, M.D., Assist. Prof.
<b>Academic Staff</b>	<b>Urology</b> Prof. Ahmet ŞAHİN, M.D. Prof. Murat ŞAMLI, M.D., Mustafa SOFİKERİM, M.D., Assoc. Prof. İlter TÜFEK, M.D. M.D., Assoc. Prof. Hakan ÖZVERİ, M.D., Assist. Prof. Enis COŞKUNER, M.D., Assist. Prof. Bora ÖZVEREN, M.D., Assist. Prof. Selçuk KESKİN, M.D., Assist. Prof. Burak ÖZKAN, M.D., Assist. Prof. Cenk ACAR, M.D., Assist. Prof.
<b>Duration</b>	2,5 Weeks
<b>Aim</b>	This course aims to provide necessary knowledge about the etiology, pathogenesis, clinical symptoms and signs, differential diagnosis and treatment of male urogenital diseases and preventive measures. Students will be able to interpret laboratory results, findings of radiological examinations and perform several interventions. Additionally, they will learn what their responsibilities are and acquire the necessary attitudes and behaviors about patients' rights and privacy.
<b>Learning Outcomes</b>	<b>By the end of this committee, the students will be able to:</b> <ul style="list-style-type: none"> <li>• diagnose renal colic and define treatment options,</li> <li>• make differential diagnosis of hematuria,</li> <li>• define urinary retention and obstruction,</li> <li>• diagnose urinary stone disease and define basic treatment options,</li> <li>• list symptoms of common urological cancers and diagnose these conditions,</li> <li>• diagnose common urological emergencies and explain their principle management,</li> <li>• diagnose erectile dysfunction,</li> <li>• diagnose enuresis nocturna and summarize basic treatment options,</li> <li>• obtain basic principles of pediatric urology,</li> <li>• diagnose and treat patients with sexually transmitted diseases,</li> <li>• recognize the importance of renal transplantation and transmit the importance of this issue to the public,</li> </ul>

<b>Learning Outcomes</b>	<ul style="list-style-type: none"> <li>• describe the role of PSA in urological screening,</li> <li>• diagnose and treat urinary infection,</li> <li>• perform digital rectal examination,</li> <li>• perform examination of the testicles,</li> <li>• perform urethral catheterization.</li> </ul>
<b>Educational methods</b>	<p>Lectures  Interactive learning session  Literature review and presentations  Practice in the operating and delivery room</p>
<b>Assessment methods</b>	<p>Clinical Skills Assessment  Written Exam  Structured Oral Exam</p>

**YEAR 4: LIST OF CLERKSHIP SESSIONS**

**Internal Medicine**

<i>Session title</i>	<i>Hours</i>	<i>Tutor</i>
Patient-doctor relationship	1	N Tözün
History taking	2	N Tözün
Approach to a pt with chest pain	1	S Dağdelen
Examination of the precordium	1	Ş Görgülü
Examination of pulse and BP	2	İ Saygılı
Pulm symptoms&signs	1	C Kırışoğlu
Examination of chest	2	Ç Çuhadaroğlu
GIS symptoms and signs	1	M Saruç
Examination of abdomen	2	N Tözün
Examination of Head and Neck	1	S Ratip
Examination of Extremities	1	S Ratip
Approach to a pt with LAP	1	S Ratip
Neurological examination	1	D Kaya
Dermatologic manifestations of systemic disease	1	S Şahin
Review of history taking and physical examination	2	G Başaran
Clinical Ethics: Case discussions	1	Y Ülman/A Yazar
Cardiovascular emergencies and first aid	1	Ş Görgülü
Electrical Conduction Abnormalities	1	A Değirmencioğlu
Hypertension	1	S E Çelik
Complications and therapy of complex Hypertension	1	S E Çelik
Atrial Arrhythmias	1	A Akyol
Ventricular Arrhythmias	1	A Akyol
Management of acute coronary syndromes	1	S Dağdelen
Therapy of the chronic ischemic heart diseases	1	M K Batur
Heart Failure: Clinical evaluation and diagnosis	1	İ Sipahi
Management of Heart Failure	1	İ Sipahi
Structural heart diseases	1	A D Demir
Diagnosis and therapy of pericardial disease and cardiac masses	1	A D Demir
Management of venous system diseases and pulmonary embolism	1	T Karaahmet
Diagnosis and therapy of Cardiomyopathies	1	T Karaahmet
Diagnosis and Management of Pulmonary hypertension and right heart failure	1	A Buturak
Management of Lipoprotein Disorders	1	A Buturak
Diagnosis and therapy of infective endocarditis and Rheumatic Fever	1	G Abalı
Tricuspid and Pulmonary valvular diseases and therapies	1	G Abalı
Mitral and Aortic valvular diseases and therapies	1	A Değirmencioğlu
Treatment of arterial system disorders	1	A Değirmencioğlu
Chronic obstructive pulmonary diseases	1	Ç Çuhadaroğlu
Asthma	1	Ç Çuhadaroğlu

Evaluation of pulmonary functions	1	Ç Çuhadaroğlu
Tuberculosis	1	Ç Çuhadaroğlu
Pneumonia	1	Ç Çuhadaroğlu
Pneumonia: case discussion	1	Ç Çuhadaroğlu
Approach to a patient with hemoptysis	1	C Kirişoğlu
Pulmonary vascular diseases: PHT and PE	1	C Kirişoğlu
Management of pleural effusions	1	C Kirişoğlu
Pulmonary neoplasms	1	C Kirişoğlu
Interstitial lung diseases	1	Ç Çuhadaroğlu
Pulmonary edema, hypoxia, polycythemia, cyanosis	1	Ç Çuhadaroğlu
Approach to the patient with dysphagia	1	A Tiftikçi
Approach to Patient with Diarrhea	1	A Tiftikçi
Approach to Abdominal swelling and Ascites	2	N Tözün
Gastrointestinal emergencies I: upper and lower GI Bleeding	1	O Tarçın
Gastrointestinal emergencies II: acute liver failure	1	N Tözün
Approach to the patient with Jaundice (DISCUSSION)	1	N Türkel
Management of GERD, Esophagitis and Esophageal Motility Disorders	1	Ö Ersoy
Management of Dyspepsia	1	B Çiçek
Management of irritable bowel syndrome	1	B Çiçek
Management of inflammatory bowel diseases	1	E Vardareli
Management of complications of liver cirrhosis	2	M Saruç
Diabetes Mellitus: treatment, management of complications and follow -up	1	E Arıkan
Diabetes and pregnancy	1	E Arıkan
Case discussion: DM	1	E Arıkan
Adrenal diseases	1	R Serter
Adrenal diseases	1	R Serter
Thyroid diseases	1	Ö Sezgin
Pituitary diseases	1	R Serter
Hyper/hypoparathyroidism/metabolic bone	1	Ş Aktaran
Osteoporosis	1	S Aktaran
Obesity	1	S Aktaran
Endocrine emergencies	1	Ö Sezgin
Endocrine emergencies	1	Ö Sezgin
Problems of Aging: Physiologic and laboratory changes	1	B Karadağ
Management of chronic disease in elderly	1	B Karadağ
Rationale Use of Antimicrobials	1	S Kocagöz
Infectious diseases emergencies	1	S Kocagöz
Infectious approach to a patient with fever	1	H Kuşoğlu
Genitourinary infections	1	S Kocagöz
Management of Upper Respiratory tract infections	1	S Kocagöz
Therapeutic approach to AIDS and related opportunistic disorders	1	S Kocagöz

Infectious diarrhea	1	H Kuşoğlu
Hospital infections	1	H Kuşoğlu
Rheumatology Mimics	1	M Karararşlan
Rheumatoid Arthritis	1	M Karararşlan
Spondyloarthropaties	1	M Karararşlan
Connective Tissue Disease	1	M Karararşlan
Vasculitis	1	M Karararşlan
Behçet's Disease/FMF	1	M Karararşlan
Pathophysiology and treatment of hypertension	1	Ü Çakır
Management of electrolyte disturbances	1	Ü Çakır
Management of acid-base disorders	1	Ü Çakır
Acute renal Failure	1	Ü Çakır
Chronic kidney disease and renal replacement therapies	1	Ü Çakır
Epidemiology and etiology of cancer	1	A Yazar
Principles of Cancer Therapy	1	G Başaran
Approach to a patient with anemia	1	S Ratip
Approach to a patient with bleeding disorder	1	S Ratip
Side effects of cancer therapy	1	A Büyükçelik
Prostate cancer: screening, diagnosis, risk factors, principles of therapy	1	A Büyükçelik
Colorectal cancer: screening, diagnosis, risk factors, principles of therapy	1	Ö Er
Cancer Prevention	1	Ö Er
Breast Cancer: screening, diagnosis, risk factors, principles of therapy	1	G Başaran
Lung cancer: screening, diagnosis, risk factors, principles of therapy	1	A Yazar
Hematologic malignancies: Lymphomas	1	A Uzay
Hematologic malignancies: Leukemia	1	A Uzay
Management of oncologic emergencies	1	S Yavuz
Hypercoagulability and thrombosis	1	S Ratip
Indications and complications of blood transfusion	1	A Uzay

### **Surgery**

<b><i>Session title</i></b>	<b><i>Hours</i></b>	<b><i>Tutor</i></b>
Systemic Response to Injury	2	N Cabioglu
Wound Healing	1	N Cabioglu
Hemostasis, Surgical Bleeding Transfusion	1	İ Ergüner
Fluid and Electrolyte Management of Surgical Patient	1	İ Ergüner
Trauma	2	İ Ergüner
Interactive Case Discussion: Trauma	3	İ Ergüner
Surgical Metabolism and Nutrition	1	N Cabioglu
Surgical Oncology & Molecular Surgery	1	N Cabioglu
Minimal Invasive Surgery, Robotics	1	İ Ergüner
Morbid Obesity	1	İ Ergüner

Lower GIS bleeding-PBL	1	DEB
Acute Abdomen (1)	2	DEB
Shock	3	İ Berber
Surgical Infections	2	E Gürlüer
Peritonitis	1	E Gürlüer
Pancreas anatomy, physiology, anatomy and acute pancreatitis	1	E Gürlüer
Chronic pancreatitis and management of pancreatic cysts	1	E Gürlüer
Pancreatic neoplasms: neoplasms of the endocrine pancreas	1	E Gürlüer
Neoplasms of the exocrine pancreas and other pancreatic tumors	1	E Gürlüer
Small Intestine: Physiology and small bowel obstruction, ileus	1	E Gürlüer
Mesenteric ischemia and short bowel syndrome	1	E Gürlüer
Crohn and Intestinal Fistulas, small bowel perforation and bleeding	1	E Gürlüer
Small Bowel Neoplasms and Meckel Diverticulum	1	E Gürlüer
Appendix	1	E Gürlüer
Interactive Case Discussion: Intestinal Obstruction	3	İ Berber
Transplantation	1	A Gürkan
Kidney Transplantation	1	A Gürkan
Liver Transplantation	1	A Gürkan
Intestinal and Pancreatic Transplantation	1	A Gürkan
Upper Gastrointestinal bleeding	1	Deniz Böler
Case Presentations: Upper Gastrointestinal Bleeding	2	Deniz Böler
Lower GIS bleeding-PBL	1	Deniz Böler
Breast CANCER	3	N Cabioglu
Interactive Case Discussion: Lump in Breast	2	N Cabioglu
Benign Breast Disease	2	N Cabioglu
Thyroid Physiology and benign thyroid disorders	1	İ Ergüner
Benign Thyroid Disorders	1	İ Ergüner
Thyroid Cancer	1	İ Ergüner
Parathyroid disorders	1	İ Ergüner
clinical skills examination on simulated patients	3	N Cabioglu
Surgical Disease of Esophagus and Diaphragmatic Hernia	2	E Gürlüer
Carcinoma of the Esophagus	1	E Gürlüer
Benign Esophageal Tumors, Cysts and Esophageal Perforation and Caustic Injury	1	E Gürlüer
Colon, Rectum, Anus: benign colorectal and anorectal diseases and trauma	1	İ Berber
Inflammatory Bowel Disease	1	İ Berber
Diverticular Disease	1	İ Berber
Adenocarcinoma of the colon, rectum and anus and Polyps	2	İ Berber
STOMACH/DUODENUM: Gastric Physiology and Peptic Ulcer Disease	1	E Gürlüer
Gastric Physiology and Peptic Ulcer Disease	1	E Gürlüer
Malignant Neoplasms of the Stomach	2	E Gürlüer
Benign Neoplasms and Miscellaneous Lesions of the Stomach	1	E Gürlüer

Interactive Case Discussion: Obstructive Joundice	4	A Gürkan
Liver Anatomy, liver tests and radiology, liver resection	1	A Gürkan
Liver failure and portal hypertension	1	A Gürkan
Liver infections and cystic diseases of the liver	1	A Gürkan
Benign solid liver tumors and malignant liver tumors	1	A Gürkan
Surgical Approach to the Metastatic Liver tumors	1	A Gürkan
Biliary System: Physiology and diagnostic tests and gallstone disease	1	A Gürkan
Gallstone disease	1	A Gürkan
Other Benign Diseases and Lesions of the Biliary System	1	A Gürkan
Injury to the Biliary tract and Gallbladder Cancer	1	A Gürkan
Soft Tissue Sarcoma	1	D Böler
Inguinal Hernias	1	D Böler
Abdominal Wall&Hernia-Omentum, Mesentery, Retroperitoneum	1	D Böler
Adrenal Gland	2	D Böler
Spleen	1	D Böler
Lung cancer	2	S Halezeroglu
Pleural Neoplasms	1	S Halezeroglu
Pulmonary Metastasectomy	1	S Halezeroglu
Timus	1	E Okur
Mediastinal Tumors	1	E Okur
Inflammatory Diseases in Chest surgery	1	E Okur
Surgical Diseases of Diaphragm	1	E Okur
Pneumothorax	1	S Halezeroglu
Hydrothorax	1	S Halezeroglu
Chest Trauma	2	S Halezeroglu
Video section: Chest tube insertion	1	E Okur
Thoracotomy	1	E Okur
Sternotomy, mediastinoscopy, mediastinotomy	1	E Okur
Videothoracoscopic Procedures	1	E Okur
Chest Wall Tumors	1	S Halezeroglu
Chest Wall Resection and reconstruction	1	S Halezeroglu
Pectus and other chest wall deformities	1	S Halezeroglu
Reading and interpreting thoracic surgical paper	2	S Halezeroglu
Palliative operation for Congenital Cardiac malformations	1	S Özkan/ E Salihoğlu
Closed cardiac procedures Congenital Cardiac malformations	1	S Özkan/ E Salihoğlu
Corrective operations for the most common congenital cardiac malformations	2	S Özkan/ E Salihoğlu
Pediatric intensive care unit: Basic concepts in patient care in pediatric ICU	1	S Özkan, E Salihoğlu
Basic concepts and indications of coronary bypass procedure: Technique of coronary bypass operation	1	A U Güllü
Indications and outcome of coronary bypass operation	1	A U Güllü

Thoracic aortic surgery	1	Ş Şenay
Abdominal aortic surgery	1	Ş Şenay
Cardiac Valvular Procedures: Surgical technique	2	H Karabulut/ C Arıtürk
Peripheral arterial surgery	1	H Karabulut/ C Arıtürk
Peripheral venous surgery	1	H Karabulut/ C Arıtürk
Basic anatomical and physiological concepts in cardiovascular surgery	1	T Sarioğlu/ E Salihoğlu
Basic properties and application areas of cardiovascular surgical techniques	1	T Sarioğlu/ E Salihoğlu
Cardiopulmonary bypass; basic properties and application areas	1	T Sarioğlu/ E Salihoğlu
Emergent surgical cardiac and vascular emergencies	1	T Sarioğlu/ E Salihoğlu
Essentials of Congenital Cardiac Surgery: Common congenital heart diseases and surgical treatment techniques	2	T Sarioğlu/ E Salihoğlu
Indications and early and late outcomes of surgical treatment of congenital heart disease	1	T Sarioğlu/ E Salihoğlu
History of anesthesia: Description of anesthetic methods and fields of anesthesia	1	N Baykan
Anesthetic agents used at induction, maintenance and emergence of anesthesia	1	E Akpek
Fluid and electrolyte management, arterial blood gas analysis	2	S Özgen
Basics principles of acute and chronic pain management	1	M Açıl
Transfusion of blood and blood products, transfusion reactions	1	M Açıl
Basics of critical care management and Cardiopulmonary resuscitation	2	F Toraman

### **Pediatrics and Pediatric Surgery**

<b><i>Session title</i></b>	<b><i>Hours</i></b>	<b><i>Tutor</i></b>
Examination of Cardiovascular System	1	A Çeliker
Pediatric History Taking	1	Y Alanay
Outline of Learning Outcomes	1	Y Alanay
Examination of the Chest	1	S Aka
Respiratory Signs and Symptoms	1	S Aka
Examination of Gastrointestinal System	1	M Gülcan
Frequent Medical Problems in Adolescents	1	M Arapoğlu
Evaluation of Growth	1	S Semiz
Echocardiography in Practice	1	A Saygılı
Motor and Mental Development	1	I Işık
Neurological Examination	2	U Işık
Examination of Head and Neck	1	E T Sarıbeyoğlu
Approach to Lymphadenopathy	1	E T Sarıbeyoğlu
Physiology of the Newborn	1	Ü Tıraş
Examination of the Newborn	1	Ü Tıraş
Echocardiography in Practice	1	A Çeliker
Approach to Immune Deficiency	1	A Akpınarlı
Allergic Diseases of Skin	1	A Akpınarlı
Food Allergies	1	A Akpınarlı
Drug Allergies	1	A Akpınarlı

Pediatric Urinary Tract Infections	1	G Bereket
Acute and Chronic Renal Failure	1	G Bereket
Approach to Vasculitis and Pediatric Rheumatology	1	G Bereket
Case Discussion: Dehydration, Fluid and Electrolyte Treatment	1	G Bereket
Allergic Symptoms of Upper- Lower Respiratory Tract	1	A Akpınarlı
Bronchial Asthma Treatment	1	A Akpınarlı
Principles of Genetic Counseling	1	Y Alanay
Common Genetic Chromosomal Syndromes	1	Y Alanay
Pedigree Drawing Workshop	1	Y Alanay
Approach to Short Stature	1	S Semiz
Congenital Hypothyroidism	1	S Semiz
Chronic Lung Disease and Cystic Fibrosis Treatment	1	E Dağlı
Childhood Tuberculosis and its Treatment	1	E Dağlı
Clinical skills: pulmonary function tests	1	E Dağlı
Wheezing and Cough in Childhood	1	E Dağlı
Clinical skill in Pediatric Pulmonology	1	E Dağlı
Pediatric Sepsis, Bacteremia, Septic Shock	2	T İkizoğlu
Inherited Metabolic Disease	1	Y Alanay
Genetic Tests for the Clinician	1	Y Alanay
Postnatal Newborn Care and Neonatal Screening	1	Ü Tıraş
Hyperbilirubinemia and Jaundice in Newborn	1	Ü Tıraş
Case Discussion: Congenital Hypothyroidism	1	S Semiz
Treatment of Diabetic Ketoacidosis	1	S Semiz
Approach to Disorders of Sexual Differentiation	1	S Semiz
Case Discussion: Hypoglycemic Child	1	S Semiz
Approach to GIS Bleeding and IBD	1	M Gülcan
Vomiting and GERD	1	M Gülcan
Functional GI Disorders and Gastritis in Childhood	1	M Gülcan
Celiac Disease and other causes of Malabsorption in Childhood	1	M Gülcan
Intrauterine Infections	1	E Eryılmaz
Probiotics and Prebiotics in Pediatrics	1	E Eryılmaz
Congenital Heart Disease	1	A Çeliker
Congestive Heart Failure and its Treatment	1	A Çeliker
Pediatric ECG	1	A Çeliker
Endocarditis, Pericarditis, Myocarditis	1	A Çeliker
Chronic Liver Disease in Childhood	2	M Gülcan
PBL-1 part I	2	S Aka
Bleeding Diathesis in Childhood	1	C Canpolat
Solid Tumors in Childhood	1	C Canpolat
Anemia in Childhood	1	C Canpolat
How to Prescribe Medicine	1	C Canpolat

Nutrition in Pediatrics	1	M Arapođlu
Benefits of Breastfeeding	1	M Arapođlu
Newborn Resuscitation and respiratory Problems	1	Ü Tıraş
Newborn Sepsis	1	Ü Tıraş
Leukemias in Childhood	1	E T Sarıbeyođlu
PBL-1 part II	2	E T Sarıbeyođlu
Increased Intracranial Pressure	1	U Işık
Hypotonic Infant	1	U Işık
Epilepsy and Febrile Convulsions	1	U Işık
Approach to Child in Coma	1	U Işık
CNS Infections	1	U Işık
Postinfectious Diseases	1	U Işık
Practicing Glasgow Coma Scale in ER	1	U Işık
Biliary Atresia	1	L Abbasođlu
Genitourinary anomalies	1	L Abbasođlu
Esophageal diseases	1	L Abbasođlu
Invagination	1	L Abbasođlu
Hypertrophic Pyloric Stenosis	1	L Abbasođlu
Head and Neck Problems	1	L Abbasođlu
Lymphomas in Childhood	1	E Eryılmaz
PBL-2 part I	2	E Eryılmaz
Atlas Images of Skin	1	S Şahin
Exantems and Enanthems in Childhood	1	S Şahin
Dermatological examination	1	S Şahin
Inguinal Pathologies in Childhood	1	L Abbasođlu
Surgical Respiratory Distress in Neonates	1	L Abbasođlu
Hirschprung Disease	1	L Abbasođlu
Fluid and Electrolyte Management	1	L Abbasođlu
Abdominal Tumors	1	L Abbasođlu
Chronic Constipation	1	L Abbasođlu
Neonatal Intestinal Obstruction	1	L Abbasođlu
Immunization in Childhood	2	S Aka
PBL-2 part II	2	E T Sarıbeyođlu
Acute Abdominal Pain	1	L Abbasođlu
Abdominal Trauma	1	L Abbasođlu
Anorectal Malformations	1	L Abbasođlu
GI Bleeding in Childhood	1	L Abbasođlu
Abdominal Wall Defects	1	L Abbasođlu
Urinary Tract Infections and VUR	1	L Abbasođlu

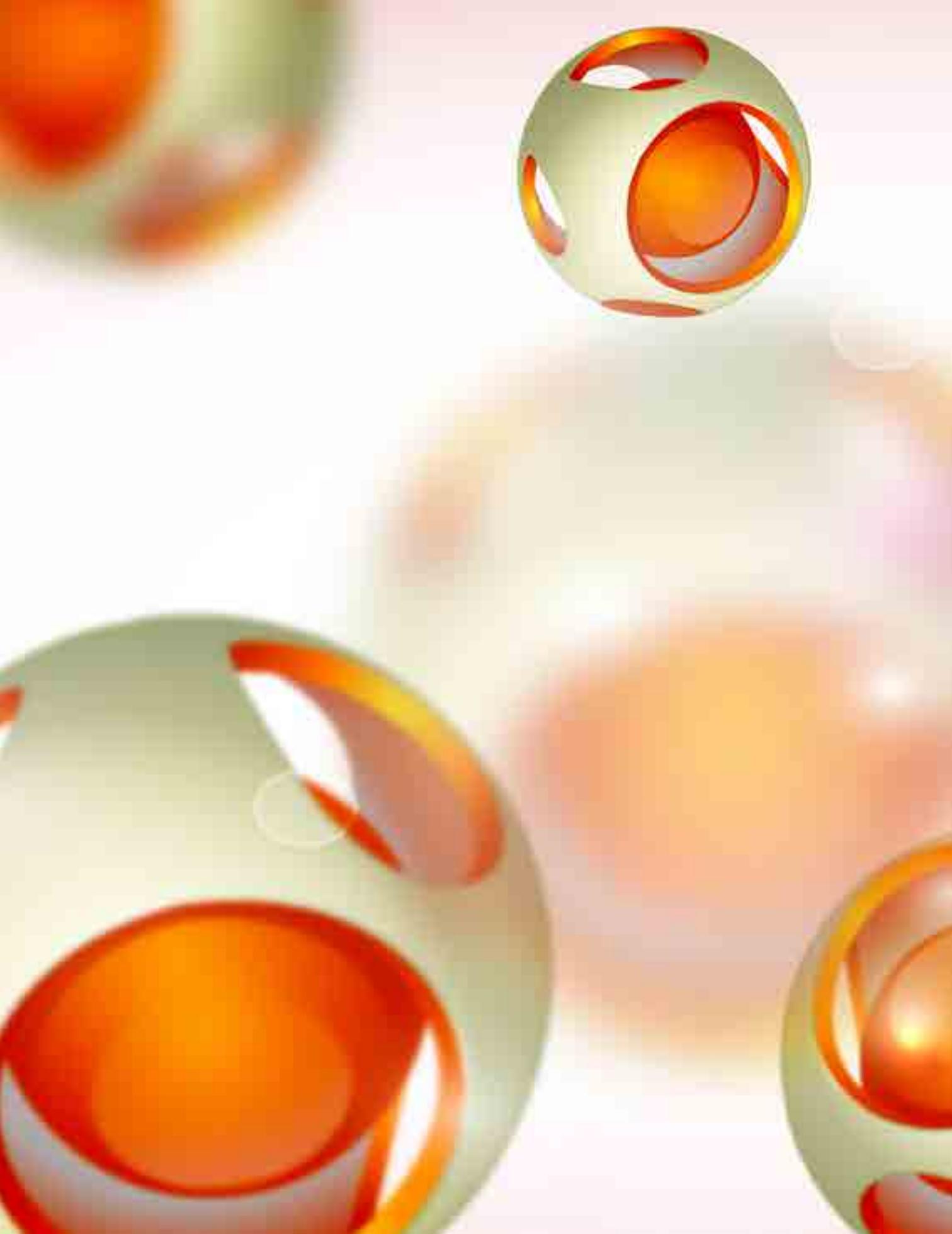
**Obstetrics and Gynecology**

<b><i>Session title</i></b>	<b><i>Hours</i></b>	<b><i>Tutor</i></b>
Clinical gynecologic anatomy	1	M Güngör
Sexually transmitted disease and genital infections	1	M Güngör
Management of adnexial masses	1	M Güngör
Gynecological and Obstetric ultrasound	2	D Eroğlu
Abnormalities of the placenta and amniotic fluid	1	D Eroğlu
Normal and abnormal labor	2	Ö Pata
Intrapartum fetal evaluation and perinatal asphyxia	1	Ö Pata
Premenstrual syndrome and dismenorea and pelvic pain	1	E Özbaşlı
Emesis gravidarum	1	E Özbaşlı
Genital organ prolapsus and genital fistul	1	E Özbaşlı
Congenital anomalies of the female genitalia	1	T Küçük
Contraception	1	T Küçük
Endometriosis	1	T Küçük
Infertility	2	T Küçük
Amenorrhea	2	T Bağış
Ovulation induction and assisted reproductive techniques	1	T Bağış
Antenatal care and fetal wellbeing	2	İ Bildirici
Complications of the puerperium	1	İ Bildirici
Tumor markers and screening	1	S Erkanlı
Precancerous lesions of the endometrium	1	S Erkanlı
Benign and premalign lesions of the cervix	1	S Erkanlı
Cytology and Colposcopy	1	S Erkanlı
Benign, precancerous lesions and cancer of the vulva and vagina	1	H Görgen
Myomas	1	H Görgen
Multifetal pregnancy	1	C Batukan
Induction of labor	1	C Batukan
Antepartum hemorrhage	1	C Batukan
Epithelial tumors of the ovary and tuba	2	M Güngör
Cervical cancer	1	M Güngör
Ectopic pregnancy	1	E Özbaşlı
Female urinary incontinence	1	E Özbaşlı
Perinatal infections	1	E Özbaşlı
Diabetes complicating pregnancy	1	D Eroğlu
Postdates, Intrauterine fetal death, perinatal mortality	1	D Eroğlu
Pregnancy and systemic diseases-	2	D Eroğlu
Abnormal presentation	2	Ö Pata
Premature rupture of membrane	1	Ö Pata
Intrauterine growth retardation	1	Ö Pata
Endometriosis	1	T Küçük

Menopause	1	T Küçük
Contraception	1	T Küçük
Abnormal vaginal bleeding	1	T Bağış
Hyperandrogenism and Polycystic ovary syndrome-1	2	T Bağış
Preterm labor and tocolysis	1	İ Bildirici
Pregnancy and hypertension	2	İ Bildirici
Teratology	1	İ Bildirici
Nonepithelial ovarian tumors	1	S Erkanlı
Endometrial cancer and mesenchymal tumors of the uterus	1	S Erkanlı
Gestational trophoblastic disease	2	H Görgeç
Abortus & Recurrent pregnancy loss	1	H Görgeç
Pregnancy and hematological diseases	1	C Batukan
Postpartum hemorrhage	1	C Batukan
Rhesus disease	1	C Batukan

### **Urology**

<b><i>Session title</i></b>	<b><i>Hours</i></b>	<b><i>Tutor</i></b>
The etiology, epidemiology and treatment of female incontinence	1	M Şamlı
Overactive bladder, neurogenic bladder	1	M Şamlı
Specific and nonspecific urinary tract infections and sexually transmitted diseases	2	B Özveren
Genitourinary trauma and emergency	2	E Coşkuner
Evaluation of hematuria	1	B Özkan
Urothelial carcinoma, renal cancer	1	İ Tüfek
Treatment of common urologic problems in the pediatric population	2	M Sofikerim
Medical and surgical treatment of erectile dysfunction and infertility	2	H Özveri
Testicular Tumors and other rare urological malignancies	1	B Özkan
Prostatic cancer and benign prostatic hypertrophy	2	S Keskin
Medical and surgical treatment of urinary stone disease	2	C Acar





ACIBADEM  
UNIVERSITY

# 2013-2014 YEAR 5

SCHOOL OF MEDICINE

## YEAR 5 CLERKSHIP CREDITS

CLERKSHIPS	DEPARTMENTS	Duration (Weeks)	Theoretical (hours)	Practical (hours)	Study Time	Total	National credits	ECTS
Neurology	Neurology	4	38	126	10	174	7	6
Neurosurgery	Neurosurgery	4	27	135	10	172	7	6
Psychiatry	Psychiatry	3	33	60	35	128	5	5
Otolaryngology, Head and Neck Surgery	Otolaryngology, Head and Neck Surgery	3	30	80	10	120	5	4
Ophthalmology	Ophthalmology	2	18	63	10	91	4	3
Dermatology	Dermatology	3	30	80	15	125	5	5
Radiology	Radiology Radiation Oncology	3	42	56	25	123	5	5
Ortopedics and Travmatology & PTR	Orthopedics (PMR)	5	36	141	48	225	8	8
Forensic Medicine	Forensic Medicine	2	47	10	22	79	4	3
Elective clerkship-1		3	0	135	-	135*	5	5
Elective clerkship-2		3	0	135	-	135*	5	5
Elective clerkship-3		3	0	135	-	135*	5	5
<b>TOTAL</b>		<b>38</b>	<b>301</b>	<b>1156</b>	<b>185</b>	<b>1642</b>	<b>65</b>	<b>60</b>

PMR = Physical Medicine and Rehabilitation

\* 45 student work load hours per week

# YEAR 5 CLERKSHIP SCHEDULE OUTLINE

Groups		FALL SEMESTER							
A	Neurology (02.09 / 27.09. 2013)	Neurosurgery (30.09 / 25.10.2013)		Psychiatry (28.10 /15.11.2013)	OHNS (18.11 /06.12.2013)	Ophthalmology (09.12 /20.12.2013)	Dermatology (23.12.2013 / 10.01.2014)	Radiology (13.01 /31.01.2014)	
	B	Orthopedics & PMR (02.09 / 04.10.2013)	Elective -1 (07.10 /25.10.2013)	Elective -2 (28.10 /15.11.2013)	Neurology (18.11 /13.12.2013)	Neurosurgery (16.12.2013 /10.01.2014)		Psychiatry (13.01 /31.01.2014)	
C	OHNS (02.09 /20.09.2013)	Ophthalmology (23.09 /04.10.2013)	Dermatology (07.10 /25.10.2013)	Radiology (28.10 / 15.11.2013)	Orthopedics&PMR (18.11 /20.12.2013)		Elective -1 (23.12.2013 /10.01.2014)	Elective -2 (13.01 /31.01.2014)	

## SPRING SEMESTER

A	Orthopedics & PMR (17.02 /21.03.2014)	Elective -1 (24.03 /11.04.2014)	Elective -1 (14.04 / 11.04.2014)	Elective -2 (14.04 / 02.05.2014)	Elective -3 (20.05 / 06.06.2014)		
	B	OHNS (17.02 / 07.03.2014)	Ophthalmology (10.03/21.03.2014)	Dermatology (24.03 / 11.04.2014)	Radiology (14.04 / 02.05.2014)	Forensic Medicine (05.05 /16.05 2014)	Elective -3 (20.05 /06.06.2014)
C	Neurology (17.02 / 14.03.2014)	Neurosurgery (17.03 / 11.04.2014)	Psychiatry (14.04 / 02.05.2014)	Elective -3 (20.05 / 06.06.2014)			

PMR= Physical Medicine and Rehabilitation  
 OHNS= Otolaryngology,Head and Neck Surgery  
 Obst & Gyn=Obstetrics and Gynecology

CLERKSHIP	YEAR	CODE	Theoretical (hours)	38	National Credits	ECTS
			Practical (hours)	126		
Neurology	5	MED 501	Study Time (days)	10	7	6

<b>Educational language</b>	English
<b>Course Type</b>	Compulsory
<b>Course Level</b>	Undergraduate
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakişi; isil.pakis@acibadem.edu.tr
<b>Clerkship Coordinator</b>	Assist. Prof. Pınar Yalınay DİKMEN Assist. Prof. Elif Ilgaz AYDINLAR
<b>Academic Units &amp; Staff</b>	Fehim ARMAN, M.D., Prof. Ayşe Sağduyu KOCAMAN, M.D., Prof. Geysu KARLIKAYA, M.D., Assoc. Prof. Dilaver KAYA, M.D., Assoc. Prof. Çiğdem DOĞULU, M.D., Assoc. Prof. Pınar Yalınay DİKMEN, M.D., Assist. Prof. Elif Ilgaz AYDINLAR, M.D., Assist Prof
<b>Duration</b>	4 weeks
<b>Aim</b>	The purpose of Neurology Clerkship, is to provide essential clinical approach for screening, diagnosis, current therapeutic options and follow-up for common medical diseases under guidance and integrate this approach with the knowledge, attitudes and skills already acquired in the first 3 years of medical school for clinical practice.
<b>Learning Outcomes</b>	At the end of this clerkship the students will be able to: - improve the ability to obtain a history, perform a physical examination then present these findings in a logical and concise manner. - develop a problem-oriented method of patient evaluation. - recognize the risk/benefit of medical intervention. - become familiar with humanistic and ethical considerations involved in patient care. - develop conduct and behavior appropriate for a medical professional. - understand the importance of to continue a life-long system of self-education. - develop an evidence-based approach to medical management - diagnose neurologic disorders such as cerebrovascular diseases, epilepsy, cranial neuropathies, headache disorders, coma and mental alterations, neurologic emergencies, neuromuscular diseases, demyelinating disorders, extrapyramidal diseases and getting basic neuroradiologic knowledge.
<b>Educational Methods</b>	Lectures Clinical Skills Ward rounds-outpatient clinics Problem Based Learning Case Discussions
<b>Assessment Methods</b>	Clinical Performance Assessment Written Exam Structured Oral Exam

CLERKSHIP	YEAR	CODE	Theoretical (hours)	27	National Credits	ECTS
			Practical (hours)	135		
Neurosurgery	5	MED 502	Study Time (days)	10	7	6

<b>Educational language</b>	English
<b>Course Type</b>	Compulsory
<b>Course Level</b>	Undergraduate
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiç; isil.pakis@acibadem.edu.tr
<b>Clerkship Coordinator</b>	Assoc. Prof. Koray ÖZDUMAN
<b>Clerkship Subcoordinators</b>	Assist. Prof. Mustafa GÜDÜK
<b>Academic Units &amp; Staff</b>	<b>Neurosurgery:</b> M. Necmettin PAMİR, M.D., Prof. M Memet ÖZEK, M.D., Prof. Müfit KALELİOĞLU, M.D., Prof. Serdar ÖZGEN, M.D., Prof. Selçuk PEKER, M.D., Prof. Zafer BERKMAN, M.D., Prof. Koray ÖZDUMAN, M.D., Assoc. Prof. H İbrahim SUN, M.D., Assist. Prof. Mustafa GÜDÜK, M.D., Assist. Prof. M. İmre USSELİ, M.D., Instructor.
<b>Duration</b>	4 weeks
<b>Aim</b>	To train medical students to become proficient in diagnosing and treating neurosurgical emergencies. The students shall also learn the general outline of neurosurgical pathologies, the diagnostic workup, differential diagnosis and treatment options
<b>Learning Outcomes</b>	At the end of this clerkship the students will be able to: -Perform History and physical examination on Neurosurgical patients -Perform neurological examination. -Define Basic neuroradiological examinations and diagnosis of neurosurgical emergencies. -Diagnos and plan initial treatment/protection for neurosurgical emergencies and craniospinal trauma. -Define diagnostic procedures in neurosurgical disease. -Define Common neurosurgical problems, their workup, differential diagnosis, treatment and outcome.

<b>Educational Methods</b>	Lectures Clinical Skills Ward rounds-outpatient clinics Problem Based Learning Case Discussions
<b>Assessment Methods</b>	Clinical Performance Assessment Written Exam Structured Oral Exam

CLERKSHIP	YEAR	CODE	Theoretical (hours)	33	National Credits	ECTS
			Practical (hours)	60		
Psychiatry	5	MED 503	Study Time (days)	35	5	5

<b>Educational language</b>	English
<b>Course Type</b>	Compulsory
<b>Course Level</b>	Undergraduate
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakişi; isil.pakis@acibadem.edu.tr
<b>Clerkship Coordinators</b>	Prof. Cem İNCESU Assist. Prof. Burcu YAVUZ
<b>Academic Units &amp; Staff</b>	<b>Psychiatry:</b> Cem İNCESU, M.D., Prof. Kültegin ÖGEL, M.D., Prof. Burcu YAVUZ, M.D., Assist. Prof. Arzu ÖNAL, M.D., Instructor
<b>Duration</b>	3 weeks
<b>Aim</b>	The purpose of Psychiatry Clerkship, is to provide necessary knowledge about etiology, clinical signs and symptoms, differential diagnosis and treatment of psychiatric disorders. Skills about approaching to emergent psychiatric patients, knowledge about relationship between general medical conditions and psychiatric disorders are aimed to be taught.
<b>Learning Outcomes</b>	By the end of this clerkship, the students will be able to: -Obtain a history, and perform mental status examination -Define psychiatric symptoms -Diagnose psychotic disorders -Define diagnostic criteria for schizophrenia -Diagnose mood disorders -Define diagnostic criteria for manic episode, mixed episode, major depressive episode -Diagnose anxiety disorders -Diagnose substance use disorders -Define somatoform disorders -Describe eating disorders -Define sexual disorders -Observe and show how to handle an emergent psychiatric patient -Describe personality disorders
<b>Educational methods</b>	Theoretical lecture Interactive learning session Literature review and case presentations
<b>Assessment methods</b>	Written examination Structured oral examinations

CLERKSHIP	Year	Code	Theoretical (hours)	30	National credits	ECTS
			Practical (hours)	80		
Otolaryngology Head and Neck Surgery	5	MED 304	Study time (hours)	10	5	4

<b>Educational language</b>	English
<b>Course Type</b>	Compulsory
<b>Course Level</b>	Undergraduate
<b>Year coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiç; isil.pakis@acibadem.edu.tr
<b>Clerkship coordinator</b>	Assist. Prof. Gediz Murat SERİN
<b>Academic Units &amp; Staff</b>	<b>Otolaryngology Head and Neck Surgery:</b> Ömer Faruk ÜNAL, MD., Prof., Chairman Hasan TANYERİ, M.D, Prof. Levent ERİŞEN, M.D., Prof. Haluk ÖZKARAKAŞ, M.D., Prof. Özcan ÇAKMAK, M.D., Prof. Ahmet KOÇ, M.D., Associate Prof. Şenol POLAT, M.D., Associate Prof. Elif AKSOY, M.D., Assistant Prof. Gediz Murat SERİN, M.D., Assistant Prof.
<b>Duration</b>	3 weeks
<b>Aim</b>	This course provides an introduction to the field of otolaryngology, a broad exposure to otolaryngologic diseases and will familiarize the student with outpatient and in-hospital otolaryngologic care.
<b>Learning outcomes</b>	At the end of the course, students will able to: <ul style="list-style-type: none"> <li>• be familiar to head and neck anatomy</li> <li>• Perform basic otolaryngological examination</li> <li>• Describe the symptoms and physical findings of common otolaryngological disease</li> <li>• Diagnose and treat the common upper airway infections and ear infections</li> <li>• Recognise and define the upper airway emergencies</li> <li>• Recognise the hearing loss and facial paralysis</li> <li>• Define the maxillofacial traumas</li> <li>• Recognise and describe the symptoms and physical findings of common head and neck cancers</li> <li>• Differentiate between benign and malignant otolaryngological diseases</li> <li>• Differentiate acute and chronic otolaryngological diseases</li> <li>• Recognise emergent otolaryngological diseases</li> </ul>
<b>Educational methods</b>	<ul style="list-style-type: none"> <li>• Theoretical lectures</li> <li>• Practice in office and operating theatre</li> </ul>
<b>Assessment methods</b>	<ul style="list-style-type: none"> <li>• Clinical performance assessment</li> <li>• Written examination</li> <li>• Oral examination</li> </ul>

CLERKSHIP	Year	Code	Theoretical (hours)	18	National credits	ECTS
			Practical (hours)	63		
Ophthalmology	5	MED 505	Study time (hours)	10	4	3

<b>Educational language</b>	English
<b>Course Type</b>	Compulsory
<b>Course Level</b>	Undergraduate
<b>Year coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiş; isil.pakis@acibadem.edu.tr.
<b>Clerkship coordinator(s)</b>	Assoc. Prof. Banu COŞAR
<b>Academic Units &amp; Staff</b>	<b>Ophthalmology:</b> Abdullah ÖZKIRIŞCI, M.D., Prof. Chairman Banu COŞAR, M.D., Assoc. Prof.
<b>Duration</b>	2 weeks
<b>Aim</b>	This course aims to provide knowledge about the anatomy of the eye, etiology, pathogenesis, clinical symptoms and signs, differential diagnosis and treatment of ophthalmic diseases, eye tests and preventive measures.
<b>Learning outcomes</b>	<p><b>By the end of this committee, the students will be able to:</b></p> <ul style="list-style-type: none"> <li>• Define anatomic structures of the eye and their functions</li> <li>• Perform basic biomicroscopy and fundus examination</li> <li>• Describe refractive errors and their treatment</li> <li>• Diagnose eye lid disorders and nasolacrimal duct obstruction, summarize their treatment options and treat particular cases</li> <li>• Make differential diagnosis of pink eye, and treat allergic and bacterial conjunctivitis</li> <li>• Describe symptoms and signs of cataracts and summarize treatment options</li> <li>• Describe symptoms and signs of glaucoma and summarize treatment options</li> <li>• Describe symptoms and signs of ocular/orbital tumors and uveitis, and summarize their treatment options</li> <li>• Describe symptoms and signs of retinal diseases, and summarize treatment options</li> <li>• Diagnose strabismus and summarize treatment options</li> <li>• Describe common neuroophthalmological pathologies and summarize their treatment options</li> <li>• Diagnose penetrating eye trauma, define management of eye trauma</li> <li>• Diagnose and perform the first line treatment of chemical injuries of the eye</li> <li>• Perform visual field examination by confrontation</li> <li>• List and define all advanced eye tests, and comment on particular eye tests</li> <li>• Differentiate which patients are to be referred to tertiary centers for eye diseases</li> </ul>
<b>Educational methods</b>	Theoretical lecture Interactive learning session Practice in the examination room, operating room and laser room
<b>Assessment methods</b>	Clinical performance assessment Written examination Structured oral examinations

CLERKSHIP	YEAR	CODE	Theoretical (hours)	30	National Credits	ECTS
			Practical (hours)	80		
Dermatology	5	MED	Study Time (days)	15	5	5
<b>Educational language</b>	English					
<b>Course Type</b>	Compulsory					
<b>Course Level</b>	Undergraduate					
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiç; isil.pakis@acibadem.edu.tr					
<b>Clerkship Coordinator</b>	Prof. Emel Öztürk DURMAZ					
<b>Clerkship Subcoordinators</b>	Assoc. Prof. Engin SEZER Prof. Sedef ŞAHİN					
<b>Academic Units &amp; Staff</b>	<b>Dermatology</b> Sedef ŞAHİN, M.D., Prof. Emel Öztürk DURMAZ, M.D., Prof. İkbal Esen AYDINGÖZ, M.D., Prof. Engin SEZER, M.D., Assoc. Prof. Yasemin SARAY, M.D., Assoc. Prof. Emel GÜNGÖR, M.D., Assoc. Prof. Özgür BAKAR, M.D., Assist. Prof. Deniz DUMAN, M.D., Assist. Prof.					
<b>Duration</b>	3 weeks					
<b>Aim</b>	The purpose of Dermatology Clerkship is to provide basic information on normal structure and function of skin, to accomplish the use of appropriate dermatologic terminology during evaluation of cutaneous alterations, to afford necessary knowledge and skills for the diagnosis, treatment and follow up of frequently encountered dermatologic and venereologic diseases in our country and to integrate this approach with the knowledge, attitudes and skills already acquired in the first 3 years of medical school for clinical practice.					
<b>Learning Outcomes</b>	At the end of this clerkship students will be able to: <ul style="list-style-type: none"> <li>- obtain patient history,</li> <li>- perform a stepwise basic dermatologic examination (cutaneous and mucosal) - present PE findings in a logical and concise manner and with appropriate dermatologic terminology.</li> <li>- develop a problem-oriented method of patient evaluation.</li> <li>- diagnose and plan treatment for frequently encountered dermatologic and venereologic diseases</li> <li>- provide appropriate general recommendations for the patient</li> <li>- sense or recognize and consult for rarely encountered dermatologic and venereologic disorders</li> <li>- evaluate the risk/benefit ratio of medical therapeutics and dermatologic interventions.</li> <li>- observe minor and major dermatologic interventions, including dermatoscopy, biopsy, excision, wound care, cryotherapy, electrosurgery, phototherapy and laser surgery</li> <li>- become familiar with humanistic and ethical considerations involved in patient care.</li> <li>- develop conduct and behavior appropriate for a medical professional.</li> <li>- develop a medical curiosity which will stimulate to continue a life-long system of self-education.</li> <li>- develop an evidence-based approach to medical management</li> </ul>					
<b>Educational methods</b>	Theoretical lecture Interactive learning sessions Case Discussions Outpatient clinical skills Practice in the operating and laser surgery room					
<b>Assessment methods</b>	Clinical performance assessment Structured oral examinations					

Clerkship	YEAR	Code	Theoretical (Hour)	42	Credit	ECTS
			Practical (Hour)	56		
Radiology	5	MED 507	Preparation (Hour)	25	5	5

<b>Educational Language</b>	English
<b>Course Type</b>	Compulsory
<b>Course Level</b>	Undergraduate
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal;omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakişi; isil.pakis@acibadem.edu.tr
<b>Clerkship Coordinators</b>	Prof. Canan ERZEN Prof. Enis ÖZYAR
<b>Academic Staff</b>	<b>Radiology:</b> Ercan KARAARSLAN, M.D., Prof. Özlem SAYGILI, M.D., Prof. Simay KARA, M.D, Prof. Alp DİNÇER, M.D., Assoc.Prof. Erdem YILDIZ, M.D., Assist.Prof. Ümit ÖZCAN, M.D., Assist.Prof. Özden Sıla ULUS, M.D., Assist.Prof. Tuğana AKBAŞ, M.D., Assist.Prof. İpek ÇIRAY, M.D., Assist Prof.
<b>Duration</b>	3 weeks Radiology: 2 weeks Radiation oncology: 1 week
<b>Educational Methods</b>	Radiological reporting, Demonstration of radiological examinations. Case and algorithm discussions. Summary of basic radiological findings.
<b>Aims</b>	This course aims to define: Radiological anatomy, types of radiological examinations, common radiological algorithms, radiological reports and their impact on medicine
<b>Learning Outcomes</b>	By the end of this clerkship, the students will be able to: <ul style="list-style-type: none"> <li>• understand radiological anatomy</li> <li>• differentiate between radiological modalities</li> <li>• understand a radiological report</li> <li>• describe basic radiological findings</li> <li>• understand radiological algorithms</li> </ul>
<b>Assessment Methods</b>	Oral and written exams, performance assessment

CLERKSHIP	Year	Code	Theoretical (hours)	36	National credits	ECTS
			Practical (hours)	141		
Orthopedics and Traumatology Physical Medicine and Rehabilitation	5	MED 508	Study time (hours)	48	8	8

<b>Educational language</b>	English
<b>Course Type</b>	Compulsory
<b>Course Level</b>	Undergraduate
<b>Year coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakişi; isil.pakis@acibadem.edu.tr
<b>Clerkship coordinator</b>	Assoc. Prof. Vuslat Sema ÜNAL
<b>Academic Units &amp; Staff</b>	<p><b>Orthopedics and Traumatology:</b> Metin TÜRKMEN, M.D., Prof, Chairman Nadir ŞENER, M.D., Prof Servet Aydın YÜCETÜRK, M.D., Prof Umut AKGÜN, M.D., Assoc. Prof. Burak BEKSAÇ, M.D., Assoc. Prof. Ufuk NALBANTOĞLU, M.D., Assoc. Prof. Mehmet Uğur ÖZBAYDAR, M.D., Assoc. Prof Sezgin SARBAN, M.D., Assoc. Prof. Vuslat Sema ÜNAL, M.D., Assoc. Prof. Barış KOCAOĞLU, M.D., Assist. Prof. Hüseyin Arel GERELİ, M.D.</p> <p><b>Physical Medicine and Rehabilitation</b> Zeynep GÜVEN, M.D., Prof, Chairman Reyhan ÇELİKER, M.D., Prof. Selda BAĞIŞ, M.D., Prof. Ayçe ATALAY, M.D., Assoc. Prof. Tolga AYDOĞ, M.D., Assoc. Prof.</p>
<b>Duration</b>	5 weeks
<b>Aim</b>	This course aims to provide necessary knowledge about the etiology, pathogenesis, clinical symptoms and signs, differential diagnosis, treatment, rehabilitation and physical therapy modalities and preventive measures of musculoskeletal system diseases and trauma,. Students will be able to interpret laboratory results, findings of radiological examinations and perform several interventions. Additionally, they will learn what their responsibilities are and acquire the necessary attitudes and behaviors about patients' rights and privacy.

<p><b>Learning outcomes</b></p>	<p><b>By the end of this clerkship, the students will be able to:</b></p> <ul style="list-style-type: none"> <li>• Perform basic musculoskeletal system examination, differentiate normal conditions, and define physical findings in universal terminology</li> <li>• Diagnose musculoskeletal system diseases, identify traumatic injuries, high risk trauma patients, be able to refer appropriate patients to specialized tertiary centers and define musculoskeletal emergencies.</li> <li>• Choose imaging techniques to diagnose musculoskeletal system disorders and assess x-rays, USG, CT and MRI sections.</li> <li>• Obtain basic principles of differential diagnosis in musculoskeletal system disorders by processing the clinical, laboratory, radiological findings</li> <li>• List ATLS guidelines, and be able to do first aid in traumatic situations</li> <li>• List common complications of fractures and dislocations and summarize their classifications and basic management principles</li> <li>• Perform basic splinting and bandaging techniques, manage to transfer trauma patients in optimal conditions</li> <li>• Describe the indications for surgical treatment of fractures and dislocations .</li> <li>• Define congenital and developmental pediatric orthopedic diseases, describe the types of cerebral palsy and basic principles of its rehabilitation.</li> <li>• Describe common sports injuries and summarize their treatment options,</li> <li>• Describe symptoms and physical findings of common musculoskeletal cancers, define screening protocol and refer these patients to appropriate centers,</li> <li>• Define diagnostic criteria of musculoskeletal system infections and inflammatory diseases, connective tissue disorders, explain the principles of their management,</li> <li>• Define common physical therapy and rehabilitation (PTR) modalities, orthoses, prostheses, main domains of gait analysis</li> <li>• Describe symptoms and physical findings of common neuromuscular degenerative diseases, main principles of geriatric rehabilitation and management</li> <li>• Define pain physiopathology, basic principles of classification and summarize their management</li> <li>• Define neck and low back pain, evaluate and summarize their treatment principles</li> <li>• Describe the essentials of joint aspiration and injection techniques</li> <li>• Describe the basic principles of scrubbing, operation room standards, and designs</li> <li>• Describe main domains of rehabilitation</li> <li>• List the equipment and techniques of PTR applications.</li> <li>• Describe the basic PTR exercise programs and how to recommend them to a patient</li> </ul>
<p><b>Educational methods</b></p>	<p>Theoretical lecture  Interactive learning session  Literature review and presentations  Practice in the operating and intervention room and PTR unit  Practice in the sportsman health center  Observation in the gait analysis laboratory</p>
<p><b>Assessment methods</b></p>	<p>Clinical performance assessment  Written examination and /or structured oral examinations</p>

CLERKSHIP	Year	Code	Theoretical (hours)	47	National credits	ECTS
			Practical (hours)	10		
Forensic Medicine	5	MED 509	Study time (hours)	22	4	3

<b>Educational language</b>	English
<b>Course Type</b>	Compulsory
<b>Course Level</b>	Undergraduate
<b>Year coordinators</b>	Prof. Ömer Faruk Ünal;omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiş; isil.pakis@acibadem.edu.tr
<b>Clerkship coordinator</b>	Assoc. Prof. Işıl Pakiş
<b>Academic Staff</b>	<b>Forensic Medicine:</b> Işıl PAKIŞ, M.D, Assoc. Prof. <b>Pathology:</b> Ümit İNCE, M.D., Prof. <b>Medical Ethics:</b> Yeşim Işıl ÜLMAN, Ph.D., Prof. <b>Affiliated Faculty:</b> Oğuz POLAT, M.D., Prof. (Forensic Medicine)
<b>Duration</b>	2 weeks
<b>Aim</b>	This course aims to provide knowledge about the forensic medical procedure, autopsy, death, wounds, child abuse, domestic violence, physicians' legal responsibilities, medical malpractice.
<b>Learning outcomes</b>	By the end of this clerkship, the students will be able to: <ul style="list-style-type: none"> <li>- Identify problems dealing with forensic medicine and resolve that problems using with correctly applied different concepts.</li> <li>- Define forensic medicine and how forensic medicine works,</li> <li>- Describe differences between forensic science and forensic medicine</li> <li>- Diagnose forensic cases, perform forensic medical procedure,</li> <li>- Perform a proper forensic report</li> <li>- Define autopsy procedure and autopsy types,</li> <li>- Describe what does death mean, types of death, early and late evidences of the death, organ transplantation procedure</li> <li>- Describe forensic psychiatric principles</li> <li>- Describe what does domestic violence mean, types of domestic violence, the results of domestic violence</li> <li>- Describe what does violence against women mean, types of violence against women, the results of violence against women</li> <li>- Describe what does child abuse mean, types of child abuse, the results of child abuse</li> <li>- Define medical malpractice and to list types of medical malpractice</li> <li>- Analyze the relationship between forensic cases and penal codes</li> <li>- Describe classification of wounds, diagnose different types of wounds</li> <li>- Define what does asphyxia mean, types of asphyxia, evidences of asphyxia and to make differential diagnosis different types of asphyxia</li> </ul>
<b>Educational methods</b>	Theoretical lecture Interactive learning session Practice in the autopsy
<b>Assessment methods</b>	Written examination Forensic report written examination Structured oral examinations

**YEAR 5 LIST OF CLERKSHIP SESSIONS**

**Neurology**

<i>Session title</i>	<i>Hours</i>	<i>Tutor</i>
Sign and symptoms in Neurology	2	G Karlıkaya
Epilepsy 1	4	F Arman
Cerebrovascular disorders 1	4	D Kaya
Extrapyramidal disorders	2	Ç Dođulu
Cranial neuropathies	2	E Aydınlar
Neuromuscular disorders 1	2	P Dikmen
Coma and mental alterations	2	A Kocaman
Neurological emergencies	2	S Korkmaz
Diagnostic tools in neurology	2	S Korkmaz
Headache	2	G Karlıkaya
Demantia	2	Ç Dođulu
Peripheral neuropathies	2	E Aydınlar
Demyelinating disorders	2	A Kocaman
Neuromuscular disorders 2	2	P Dikmen

**Neurosurgery**

<i>Session title</i>	<i>Hours</i>	<i>Tutor</i>
Diagnostic Technologies in Neurosurgery	2	M N Pamir
Raised intracranial pressure	2	M N Pamir
Intracranial vascular malformations	2	K Özduman
Cranial trauma and complications	2	K Özduman
Intracranial tumors	1	K Özduman
Hydrocephalus	1	Ö Özek
Spinal dysraphism	1	Ö Özek
Encephalocelles	1	Ö Özek
Pseudotumor cerebri	1	M Güdük
Craniosynostosis	1	M Güdük
Subarachnoid hemorrhage	1	Z Berkman
Cerebral aneurysms	1	Z Berkman
Spinal cord compression syndroma and spinal trauma	1	S Özgen
Degenerative spinal disease	1	S Özgen
Central nervous system infections	1	İ Sun
Peripheral nerve surgery	1	İ Sun
Craniovertebral junction anomalies	1	İ Sun
Phacomatoses	1	İ Sun

## Psychiatry

<i>Session title</i>	<i>Hours</i>	<i>Tutor</i>
Child and Adolescent Psychiatry Attention Defect Hyperactivity Disorder	3	A Önal
Psychiatric semiology and symptomology	2	B Yavuz
Mental Status Examination	2	B Yavuz
Psychiatric Disorders due to General Medical Condition	2	B Yavuz
Somatoform Disorders	1	B Yavuz
Dissociative Disorders	1	B Yavuz
Psychiatric Emergencies	1	B Yavuz
Psychopharmacology	2	B Yavuz
Mood Disorders	2	C İncesu
Anxiety Disorders	2	C İncesu
Personality Disorders	1	C İncesu
Sexual Disorders	2	C İncesu
Eating Disorders	1	E Orhan
Sexual and Couple Therapy	1	E Orhan
Psychotherapy	1	E Orhan
Psychooncology	1	E Başöz
Schizophrenia	1	K Ögel
Other Psychotic Disorders	2	K Ögel
Substance Related Disorders	2	K Ögel
Trauma/Breavement	1	N Sarp
Psychotherapy	1	N Sarp

## Otolaryngology,Head and Neck Surgery

<i>Session title</i>	<i>Hours</i>	<i>Tutor</i>
ENT examination	2	L Erişen
Head and Neck masses & Cancer 1	2	L Erişen
Audiology and vestibular examination 1-	2	Ş Polat,
Snoring and OSA 1	2	Ş Polat,
Hearing loss	2	H Özkarakaş
Vertigo /Dizziness	2	H Özkarakaş
Maxillo-facial trauma	2	Ö Çakmak
Facial plastic surgery	2	Ö Çakmak
Hoarseness 1-	2	Ö F Ünal
Dyspne 1	2	Ö F Ünal
Dysphagia	1	E Aksoy
Sore throat 1	2	E Aksoy
Nasal obstruction	1	H Tanyeri
Epistaxis	1	H Tanyeri
Facial paralysis	1	A Koç

Otalgia	1	A Koç
Facial pain and Rhinorhea	2	G M Serin
Evaluation of clerkship-	1	G M Serin

### **Ophthalmology**

<b><i>Session title</i></b>	<b><i>Hours</i></b>	<b><i>Tutor</i></b>
Anatomy and physiology of the eye	1	C B Cosar
Refractive errors	1	C B Cosar
Eyelid	1	C B Cosar
Lacrimal drainage system	1	C B Cosar
Conjunctiva, episclera, sclera	1	C B Cosar
Cornea	1	C B Cosar
Lens	2	C B Cosar
Glaucoma	2	A E Kılavuzoğlu
Uvitis	1	A E Kılavuzoğlu
Orbita and ocular tumors	1	A E Kılavuzoğlu
Retinal detachment and retinal vascular diseases	1	A E Kılavuzoğlu
Acquired macular diseases and hereditary fundus dystrophies	1	A E Kılavuzoğlu
Strabismus	1	A E Kılavuzoğlu
Neuroophthalmology	1	A E Kılavuzoğlu
Trauma	2	A E Kılavuzoğlu

### **Dermatology**

<b><i>Session title</i></b>	<b><i>Hours</i></b>	<b><i>Tutor</i></b>
Introduction to Dermatology	2	E Sezer
Slide show and quiz	2	E Sezer
Bacterial Infections of the Skin	1	İ E Aydınöz
Parasitic Infestations of the Skin	1	İ E Aydınöz
Slide show and quiz	1	İ E Aydınöz
Pigmentary Disorders	1	İ E Aydınöz
Viral Infections of the Skin	1	Ö Bakar
Drug reactions	1	Ö Bakar
Slide show and quiz	1	Ö Bakar
Principles of Topical Treatment in Dermatology	1	Ö Bakar
Fungal Infections of the Skin	1	D Duman
Urticaria, Angioedema, Erythema Multiforme	1	D Duman
Atopic and Seborrheic Dermatitis	1	D Duman
Pruritus	1	D Duman
Behcet's disease	1	E Güngör
Bullous diseases	1	E Güngör
Slide show and quiz	1	E Güngör
Differential Diagnosis of Genital Lesions	1	E Güngör

Papulosquamous Skin Disorders	2	Y Saray
Contact Dermatitis	1	Y Saray
Cutaneous Signs of Systemic Disease	1	Y Saray
Acne Vulgaris and Acne Rosacea	1	E Ö Durmaz
Syphilis and Other Sexually Transmitted Disorders	1	E Ö Durmaz
Syphilis and Other Sexually Transmitted Disorders	1	E Ö Durmaz
Autoimmune connective Tissue Diseases	1	E Ö Durmaz
Benign Skin Tumors	1	S Şahin
Malignant melanoma and lymphoma	2	S Şahin
Non-melanoma skin cancers	1	S Şahin
Erythroderma	1	S Şahin
Phototherapy	1	S Şahin
Slide show and quiz	2	S Şahin

### **Radiology**

<i><b>Session title</b></i>	<i><b>Hours</b></i>	<i><b>Tutor</b></i>
Case based discussion and summary of cardiac radiology	4	Ö Saygılı
Case based discussion and summary of musculoskeletal radiology	4	İ Çıray
Case based discussion and summary of abdominal radiology	4	Ö S Ulus
Case based discussion and summary of pediatric neuroradiology	4	S Kara
Case based discussion and summary of mammography	4	Ü Özcan
Case based discussion and summary of urogenital radiology	4	E Yıldız
Case based discussion and summary of emergency radiology	4	E Karaarslan
Radiological reporting, evaluation, impact and ethics	4	C Erzen
Case based discussion and summary of neuroradiology	4	A Dinçer
Radiotherapy: General information	4	B Atalar
Role of Radiotherapy in management of multimodal cancer care I-II	4	M Garipağaoğlu
Radiotherapy acute and chronic side effects	4	M Şengöz

### **Orthopedy – Physical Medicine & Rehabilitation**

<i><b>Session title</b></i>	<i><b>Hours</b></i>	<i><b>Tutor</b></i>
Introduction to the musculoskeletal system clerkship	1	M Türkmen
Musculoskeletal tissue characteristics and injury biomechanics	1	U Akgün
Physical examination of the extremities	1	U Akgün
Physical examination of the spine	1	R Celiker
Low back pain, diagnosis and treatment approaches	1	R Celiker
Neck pain, diagnosis and treatment approaches	1	R Celiker
Gait analysis	1	A Atalay
Orthotics and prosthetics	1	A Atalay
Physiology of pain, classification and treatment	1	A Atalay
Musculoskeletal system imaging	1	S Sarban
Fracture treatment and surgical treatment techniques	1	A Gereli

Upper extremity fractures and dislocations	1	M U Özbaydar
Lower extremity fractures and dislocations	1	M U Özbaydar
Club foot	1	B Kocaoğlu
Pelvic and spinal fractures and dislocations	1	N Şener
Musculoskeletal system infections	1	N Şener
Degenerative joint diseases	1	Z Güven
Rehabilitation of rheumatic diseases	1	Z Güven
Osteoporosis and metabolic bone diseases	1	Z Güven
Arthroplastic surgery	1	B Beksaç
Bone and soft tissue tumors	1	B Beksaç
Congenital anomalies	1	V S Ünal
Developmental hip dysplasia	1	V S Ünal
ATLS guidelines, emergency care	1	V S Ünal
Neuromuscular diseases	1	B Kocaoğlu
Rehabilitation of cerebral palsy and other pediatric disorders	1	B Kocaoğlu
Cardiac and geriatric rehabilitation	1	S Bağış
Soft tissue rheumatisms	1	S Bağış
Neurologic rehabilitation	1	S Bağış
Spinal deformities	1	A Alanay
Hand disorders	1	U Nalbantoğlu
Sports traumatology and arthroscopic surgery, knee	2	U Akgün
Foot and ankle disorders	1	S Sarban
Orthopedic rehabilitation	1	T Aydoğ
Rehabilitation of sports injuries	1	T Aydoğ

### **Forensic Medicine**

<b><i>Session title</i></b>	<b><i>Hours</i></b>	<b><i>Tutor</i></b>
Basics of Forensic Medicine	1	O Polat
The differences between Forensic Medicine and Forensic Sciences	1	O Polat
Forensic Medicine in Turkey	1	O Polat
Description of Death	1	I Pakiş
Early and Late Postmortem changes	1	I Pakiş
Crime Scene Investigation, Identification	1	I Pakiş
Forensic death evaluation, Forensic autopsy	1	I Pakiş
Family Violence	1	O Polat
Child Abuse and Neglect	1	O Polat
Sexual Abuse of Child	1	O Polat
Elder abuse	1	O Polat
The Pathology of wounds	1	I Pakiş
Blunt Trauma wounds	1	I Pakiş
Wounds Caused by pointed and sharp-edged weapons	1	I Pakiş

Gunshot wounds	1	I Pakiř
Slide seminar of wounds	1	I Pakiř
Mobbing	1	O Polat
Human rights violation and torture	1	O Polat
Reporting the violence cases	2	O Polat
Autopsy video	2	I Pakiř
Asphyxia 1(Suffocation, strangulation, suffocation	2	O Polat
Accidents 1 (Transportation accidents	2	O Polat
Reporting the autopsy cases	3	I Pakiř, Ü İnce
The origins of death	1	O Polat
Homicides	1	O Polat
Sexual Homicides	1	O Polat
Reporting the homicide cases	1	O Polat
Legal responsibilities of physicians	1	I Pakiř
Classification of Medical Malpractice	1	I Pakiř
Difference between complication and medical malpractice	1	I Pakiř
Medical Malpractice in Turkey	1	I Pakiř
Suicides	1	O Polat
Reporting the of suicide cases	1	O Polat
Differentiation between natural and unnatural deaths	1	O Polat
Poisoning	1	I Pakiř
Drug related deaths	1	I Pakiř
Forensic aspects of alcohol	1	I Pakiř
Sexual violence and medico-legal approach	1	O Polat
Evaluation of sexual violence cases	1	O Polat
Forensic psychiatry t	1	O Polat
Forensic Psychiatry and legal Regulations	1	O Polat
Sudden unexpected child deaths	1	I Pakiř
Case-discussion (Clinical Rounds)	2	Y I Ülman, I Pakiř





ACIBADEM  
UNIVERSITY

# 2013-2014 ELECTIVE CLERKSHIPS

SCHOOL OF MEDICINE

**Elective Clerkships (2013-14)**

Clerkship	Code	National Credits	ECTS	Dates							Student quota	
				7 Oct 2013 25 Oct 2013	28 Oct 2013 15 Nov 2013	23 Dec 2013 10 Jan 2014	13 Jan 2014 31 Jan 2014	24 Mar 2014 11 Apr 2014	14 Apr 2014 2 May 2014	20 May 2014 6 Jun 2014		
Gastroenterology	MED 551	5	5			+				+	3	
Nephrology	MED 552	5	5	+		+					+	3
Oncology	MED 553	5	5			+					+	3
General Surgery	MED 554	5	5	+	+	+	+	+	+	+	+	6
Plastic Reconstructive & Aesthetic Surgery	MED 555	5	5	+	+	+		+	+	+	+	6
Pediatric Cardiology	MED 556	5	5								+	2
Pediatric Hematology-Oncology	MED 557	5	5					+			+	2
Pediatric Endocrinology	MED 558	5	5			+			+			2
Pediatric Genetics	MED 559	5	5		+						+	1
Emergency Medicine	MED 560	5	5								+	6
Clinical Microbiology	MED 561	5	5	+							+	4
Cardiology	MED 562	5	5			+			+		+	6
Family Medicine	MED 563	5	5			+	+			+	+	3
Sleep Disorders	MED 564	5	5				+	+				2
Occupational Health and Safety	MED 565	5	5					+			+	3
Anesthesia	MED 566	5	5	+	+							3
Dermatology	MED 567	5	5			+						1
Neurosurgery-1	MED 568	5	5	+	+	+	+		+		+	1
Neurosurgery-2	MED 569	5	5		+	+				+	+	1
Thoracic Surgery	MED 570	5	5				+	+			+	2
Cardiovascular Surgery	MED 571	5	5	+	+	+	+	+	+	+	+	3
Nuclear Medicine	MED 572	5	5	+	+	+	+	+	+	+	+	2
Clinical Biochemistry	MED 573	5	5	+	+	+	+		+	+	+	10
Laboratory Animals in Research	MED 574	5	5					+	+	+	+	2
Molecular Research Methods	MED 575	5	5				+	+	+	+	+	3

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Gastroenterology	2013-2014	MED 551	135	5	5
<b>Prerequisite</b>	None				
<b>Educational language</b>	English and Turkish				
<b>Course Type</b>	Elective				
<b>Course Level</b>	Undergraduate				
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiş; isil.pakis@acibadem.edu.tr				
<b>Clerkship Coordinator</b>	Prof. Bahattin ÇİÇEK				
<b>Academic Units &amp; Staff</b>	<b>Gastroenterology:</b> Nurdan TÖZÜN, M.D., Prof. Eser VARDARELİ, M.D., Assoc. Prof. Aysun BOZBAŞ, M.D. Orhan TARÇIN, M.D., Prof. Bahattin ÇİÇEK, M.D., Prof. Arzu TİFTİKÇİ, M.D., Assoc. Prof.				
<b>Duration</b>	3 weeks				
<b>Aim</b>	To enhance the student's knowledge of gastrointestinal pathophysiology and hepatic pathophysiology and ability to diagnose and treat common gastroenterological disorders.				
<b>Learning Outcomes</b>	To enable the student to provide to colleagues an understanding of: <ul style="list-style-type: none"> <li>• The causes of gastrointestinal bleeding, the differential diagnosis of upper and lower GI bleeding, and a related treatment plan.</li> <li>• The causes of obstructive jaundice, the differential diagnosis, and a related treatment plan.</li> <li>• The causes of hepatitis, the differential diagnosis, and a related treatment plan.</li> <li>• The causes of odynophagia, the differential diagnosis, and a related treatment plan.</li> <li>• To enable the student to recognize common endoscopic findings such as esophagitis, esophageal varices, gastric and duodenal ulcers, and colitis.</li> <li>• The indications for surgery and its management in the more commonly encountered gastrointestinal disorders</li> </ul>				
<b>Educational Methods</b>	Lecture and practice				
<b>Assessment Methods</b>	1. Case discussions 2. Patient reports recorded by students 3. Case-based exam questions				

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Nephrology	2013-2014	MED 552	135	5	5
<b>Prerequisite</b>	None				
<b>Educational language</b>	English				
<b>Course Type</b>	Elective				
<b>Course Level</b>	Undergraduate				
<b>Year Coordinators</b>	Prof. Ömer Faruk ÜNAL omer.unal@acibadem.edu.tr Assoc. Prof. Işıl PAKIŞ isil.pakis@acibadem.edu.tr				
<b>Clerkship Coordinator</b>	Ülkem ÇAKIR, M.D, Assoc. Prof.				
<b>Clerkship sub-coordinators</b>	Ahmet ÇAKIROĞLU, M.D., Instructor.				
<b>Academic Units &amp; Staff</b>	<b>Nephrology:</b> Ülkem ÇAKIR, M.D., Assoc. Prof. Ahmet ÇAKIROĞLU, M.D., Instructor				
<b>Duration</b>	3 weeks				
<b>Aim</b>	<p>Aim of this course are as follows;</p> <ul style="list-style-type: none"> <li>To focus is on the diagnosis and management of patients with acute and chronic renal disease under close supervision of faculty.</li> <li>To elaborate on the principles of fluid and electrolyte therapy as well as the diagnosis and management of hypertension</li> <li>To manage acute medical problems of the patients with kidney problems including serious infections, cardiovascular, gastrointestinal and neurologic emergencies.</li> </ul>				
<b>Learning Outcomes</b>	<p>By the end of this course, students will be able to;</p> <ul style="list-style-type: none"> <li>- State diagnostic and therapeutic approach to:</li> <li>Acute and chronic kidney disease which includes:</li> <li>An elevated serum creatinine or reduced eGFR, acute oliguria, proteinuria and hematuria from asymptomatic abnormalities to nephrotic syndrome, differentiating glomerular from non</li> <li>Glomerular disease, and causes, diabetic nephropathy, primary and secondary hypertension</li> <li>Clinical abnormalities of serum sodium-potassium concentration.</li> <li>Clinical abnormalities of acid-base disorders</li> <li>Clinical abnormalities of pregnancy associated renal functions</li> <li>The principle of dialysis, and indications for initiation</li> <li>Kidney transplantation: Pretransplant work-up and posttransplant follow-up</li> <li>Manage patients receiving fluids, acute intermittent hemodialysis or continuous renal replacement therapy.</li> <li>Evaluate end-stage renal disease patients and choose the optimal renal replacement treatment modality (dialysis versus transplantation).</li> <li>Observe a wide array of acute and chronic general medical problems plus learn about dialysis and associated complications and management -Consults include patients with acute or chronic kidney disease (not previously receiving chronic renal replacement therapy, electrolyte, acid-base abnormalities or complex hypertension).</li> </ul>				
<b>Educational Methods</b>	Practice in the clinic				
<b>Assessment Methods</b>	<ol style="list-style-type: none"> <li>Case discussions</li> <li>Patient reports recorded by students</li> <li>Case-based exam questions</li> </ol>				

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Oncology	2013-2014	MED 553	135	5	5
<b>Prerequisite</b>	None				
<b>Educational language</b>	English and Turkish				
<b>Course Type</b>	Elective				
<b>Course Level</b>	Undergraduate				
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiç; isil.pakis@acibadem.edu.tr				
<b>Clerkship Coordinator</b>	Prof. Aziz YAZAR				
<b>Clerkship sub-coordinators</b>					
<b>Academic Units &amp; Staff</b>	<b>Oncology:</b> Aziz YAZAR, MD, Prof.				
<b>Duration</b>	3 weeks				
<b>Aim</b>	<ol style="list-style-type: none"> <li>1) To focus on the diagnosis and management of patients with oncological emergencies</li> <li>2) To elaborate on the principles of chemotherapy administration</li> <li>3) To manage acute medical problems of the patients receiving chemotherapy</li> <li>4) Evaluation and management of cancer related pain</li> </ol>				
<b>Learning Outcomes</b>	<p>By the end of this course, students will be able to state diagnostic and therapeutic approach to:</p> <ol style="list-style-type: none"> <li>1) Common cancers (breast cancer, lung cancer, gastrointestinal cancers, sarcomas, prostate cancer, gynecological cancers)</li> <li>2) Oncological emergencies</li> <li>3) Chemotherapy related medical problems</li> <li>4) Cancer related pain</li> </ol>				
<b>Educational Methods</b>	<p>Students will:</p> <ol style="list-style-type: none"> <li>1. Participate as a team member on inpatient oncology consult service potentially with one other student and oncology attending</li> <li>2. Manage patients receiving chemotherapy.</li> <li>3. Attend at least half day oncology outpatient clinic with an assigned oncologist. Patients seen include new referrals or follow ups with malignant disease.</li> <li>4. Observe a wide array of acute and chronic general medical problems plus learn about chemotherapy and associated complications and management.</li> <li>5. Attend formal weekly scheduled teaching sessions and weekly general tumor rounds where the student may be asked to present a topic of their choice.</li> </ol>				
<b>Assessment Methods</b>	<ol style="list-style-type: none"> <li>1. Case discussions</li> <li>2. Patient reports recorded by students</li> <li>3. Case-based exam questions</li> </ol>				

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Surgery	2013-2014	MED 554	135	5	5

<b>Prerequisite</b>	None
<b>Educational language</b>	English
<b>Course Type</b>	Elective
<b>Course Level</b>	Undergraduate
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakişi; isil.pakis@acibadem.edu.tr
<b>Clerkship Coordinator</b>	Prof. Alihan GÜRKAN Assos. Prof. Neslihan CABIOĞLU
<b>Clerkship sub-coordinators</b>	Prof. Cihan URAS Instructor Deniz-Eren BÖLER
<b>Academic Staff</b>	<b>Surgery:</b> Prof. Alihan GÜRKAN Prof. Cihan URAS Assos. Prof. Neslihan CABIOĞLU Instructor Deniz-Eren BÖLER
<b>Duration</b>	3 weeks
<b>Aim</b>	To expand the students' knowledge in management of malignant and benign breast diseases, how to manage the patients in the Clinic, and learn the indications for different types of surgery. To expand their knowledge in management of malignant and benign gastrointestinal system diseases, how to manage the patients in the Clinic, and learn the indications for different types of surgery.
<b>Learning Outcomes</b>	By the end of this course, students will be able to: <ul style="list-style-type: none"> <li>• Define how to manage patients with benign breast diseases in the Clinic,</li> <li>• Define how to manage patients with malignant breast diseases,</li> <li>• Describe the indications of different types of surgical procedures in patients with breast cancer.</li> <li>• be familiar to anatomy of the gastrointestinal system,</li> <li>• learn to analyze the gastrointestinal signs and symptoms</li> <li>• learn the indications of different types of surgical procedures in patients with gastrointestinal system diseases,</li> <li>• learn how to manage patients with gastrointestinal system diseases in the clinic,</li> </ul>
<b>Educational Methods</b>	Patient management in the Clinic (how to examine the patient), Assist the surgical procedures in the Operating Room, Attend at the Breast Oncology Multidisciplinary Meetings.
<b>Assessment Methods</b>	Oral exam (case discussion, patient presentation), Paper presentation

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Plastic Reconstructive & Aesthetic Surgery	2013-2014	MED 555	135	5	5
<b>Prerequisite</b>	None				
<b>Educational language</b>	English				
<b>Course Type</b>	Elective				
<b>Course Level</b>	Undergraduate				
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiç; isil.pakis@acibadem.edu.tr				
<b>Clerkship Coordinator</b>	Halil İbrahim Canter, M.D. , Ph.D., Assoc. Prof.				
<b>Academic Units &amp; Staff</b>	<b>Department of Plastic Reconstructive &amp; Aesthetic Surgery</b> Aydın SARAY, M.D., Prof., Chairman Ferit DEMİRKAN, M.D., Prof. Cengiz AÇIKEL, M.D., Prof. Şükrü YAZAR, M.D., Prof. Halil İbrahim CANTER, M.D. , Ph.D., Assoc. Prof. Kahraman Berkhan YILMAZ, M.D., Assist. Prof.				
<b>Duration</b>	3 weeks				
<b>Aim</b>	Aims of the Plastic Surgery Clerkship are as follows; <ul style="list-style-type: none"> <li>To provide necessary knowledge about etiology, clinical signs and symptoms, differential diagnosis and treatment of disorders that Plastic Surgery deals with.</li> <li>To join the students to the clinical applications.</li> <li>To link theoretical knowledge with everyday practice.</li> <li>To teach evaluation of elective &amp; emergent cases and application of essential therapeutic procedures</li> </ul>				
<b>Learning Outcomes</b>	By the end of this course, students will be able to: <ul style="list-style-type: none"> <li>Have ability of clinical history taking and physical examination of Plastic Surgery patients, such as hand problems, maxillofacial disorders, cleft lip-palate or aesthetic concerns.</li> <li>Recognize the congenital anomalies related with Plastic Surgery, make their differential diagnosis and explain the parents the possible treatment options and mode of their genetic transmission.</li> <li>Define critical pathways to approach to Plastic Surgery emergencies.</li> <li>Be able to perform basic surgical procedures, such as suturing, stich removal and wound management</li> </ul>				
<b>Educational Methods</b>	Theoretical lectures Interactive learning session in practical hours Literature review and case presentations				
<b>Assessment Methods</b>	Structured oral examination				

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Pediatric Cardiology	2013-2014	MED 556	135	5	5

<b>Prerequisite</b>	None
<b>Educational language</b>	English
<b>Course Type</b>	Elective
<b>Course Level</b>	Undergraduate
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiç; isil.pakis@acibadem.edu.tr
<b>Clerkship Coordinator</b>	Prof. Alpay ÇELİKER Assist. Prof. Arda SAYGILI
<b>Clerkship sub-coordinators</b>	Arda SAYGILI, M.D., Assist.Prof. Murat ŞAHİN, M.D., Assist.Prof.
<b>Academic Units &amp; Staff</b>	<b>Pediatric Cardiology :</b> Arda SAYGILI, M.D., Assist.Prof. Murat ŞAHİN, M.D., Assist..Prof.
<b>Duration</b>	3 weeks
<b>Aim</b>	This course will provide an introduction to the diagnosis and management of cardiovascular disease occurring in children. Special attention will be given to congenital heart disease. It will provide sample patient and imaging laboratory material in a setting of preceptored learning to facilitate development of skills in pediatric cardiology.
<b>Learning Outcomes</b>	At the end of this course students will be able to: <ul style="list-style-type: none"> <li>• diagnose congenital and aquired heart disease;</li> <li>• interpret electrocardiograms;</li> <li>• use the laboratory and echocardiography in cardiovascular diagnosis</li> <li>• understand the clinical management of cardiovascular disease.</li> </ul>
<b>Educational Methods</b>	Formal and informal didactic teaching conferences. Reading assignment: Myung Park Pediatric cardiology for practitioners.
<b>Assessment Methods</b>	discussion one a short paper that they wrote, one case presentation, participation, interest in course objectives.

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Pediatric hematology-oncology	2013-2014	MED 557	135	5	5

<b>Prerequisite</b>	None
<b>Educational language</b>	English
<b>Course Type</b>	Elective
<b>Course Level</b>	Undergraduate
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakişi; isil.pakis@acibadem.edu.tr
<b>Clerkship Coordinator</b>	Prof. Cengiz CANPOLAT
<b>Clerkship Subcoordinators</b>	Assist. Prof. Ertuğrul ERYILMAZ Instructor Ebru SARIBEYOĞLU
<b>Academic Units &amp; Staff</b>	Ertuğrul ERYILMAZ, M.D., Assist. Prof. Ebru SARIBEYOĞLU, M.D., Inst.
<b>Duration</b>	3 weeks
<b>Aim</b>	To gain theoretical and practical knowledge about the main topics of Pediatrics and Pediatric Hematology-Oncology.  To use basic knowledge for differential diagnosis.  To obtain practical experience by using the theoretical knowledge that has been gained during the first four years.  To develop the understanding of signs and symptoms via examination of different patients.  To interpret the laboratory results efficiently for diagnosis.  To understand the main approaches of the patient-doctor relationship.
<b>Learning Outcomes</b>	After this training period, the student will be able to use his/her theoretical knowledge about the main topics of Pediatrics and Pediatric Hematology-Oncology in practical areas.
<b>Educational Methods</b>	Lectures Clinical Skills Ward rounds-outpatient clinics Case Discussions
<b>Assessment Methods</b>	Clinical Performance Assessment

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Pediatric endocrinology	2013-2014	MED 558	135	5	5

<b>Prerequisite</b>	None
<b>Educational language</b>	English
<b>Course Type</b>	Elective
<b>Course Level</b>	Undergraduate
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiç; isil.pakis@acibadem.edu.tr
<b>Clerkship Coordinator</b>	Prof. Serpil SEMİZ
<b>Academic Units &amp; Staff</b>	<b>Pediatric oncology:</b> Serpil SEMİZ, M.D., Prof.
<b>Duration</b>	3 weeks
<b>Aim</b>	After this training period, the student will be able to use his/her theoretical knowledge about the main topics of pediatrics and pediatric endocrinology in practical areas.
<b>Learning Outcomes</b>	At the end of this course students will be able to: <ul style="list-style-type: none"> <li>• gain theoretical and practical knowledge about the main topics of pediatrics and pediatric endocrinology.</li> <li>• use basic knowledge for differential diagnosis.</li> <li>• obtain practical experience by using the theoretical knowledge that has been gained during the first four years.</li> <li>• develop the understanding of signs and symptoms via examination of different patients.</li> <li>• interpret the laboratory results efficiently for diagnosis.</li> <li>• understand the main approaches of the patient-doctor relationship.</li> </ul>
<b>Educational Methods</b>	Lectures Clinical Skills Ward rounds-outpatient clinics Problem Based Learning Case Discussions
<b>Assessment Methods</b>	Clinical Performance Assessment Written Exam Structured Oral Exam

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Pediatric Genetics	2013-2014	MED 559	135	5	5

<b>Prerequisite</b>	None
<b>Educational language</b>	English
<b>Course Type</b>	Elective
<b>Course Level</b>	Undergraduate
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiç; isil.pakis@acibadem.edu.tr
<b>Clerkship Coordinator</b>	Assoc. Prof. Yasemin ALANAY
<b>Academic Units &amp; Staff</b>	<b>Pediatric Genetics Unit</b> Yasemin ALANAY, M.D., PhD, Assoc. Prof
<b>Duration</b>	3 weeks
<b>Aim</b>	Aim of this course is to practice the basic skill of manuscript preparation and submission to a journal.
<b>Learning Outcomes</b>	By the end of this course, students will be able to: <ul style="list-style-type: none"> <li>• prepare, write and submit a case report on a patient(s) who is diagnosed with a genetic condition.</li> </ul>
<b>Educational Methods</b>	Personal collaboration
<b>Assessment Methods</b>	Assesment of the manuscript prepared

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Emergency Medicine	2013-2014	MED 560	135	5	5
<b>Prerequisite</b>	None				
<b>Educational language</b>	English				
<b>Course Type</b>	Elective				
<b>Course Level</b>	Undergraduate				
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiş; isil.pakis@acibadem.edu.tr				
<b>Clerkship Coordinator</b>	Prof. Özgür KARCIOĞLU Assos. Prof. Serpil YAYLACI				
<b>Clerkship sub-coordinators</b>	Veysel BALCI, M.D. Serkan ŞENER , M.D., Assoc. Prof.				
<b>Academic Units &amp; Staff</b>	<b>Emergency Medicine :</b> Özgür KARCIOĞLU, M.D.,Prof. Serpil YAYLACI, M.D.,Assoc. Prof. Veysel BALCI, M.D. Serkan ŞENER, M.D.Assoc. Prof.				
<b>Duration</b>	3 weeks				
<b>Aim</b>	<p>Aims of this course are as follows;</p> <ul style="list-style-type: none"> <li>• make students familiar with the patient profiles in department of emergency medicine.</li> <li>• take part in the diagnostic approaches, emergency interventions and clinical applications.</li> <li>• link theoretical knowledge with everyday practice.</li> <li>• join in the clinical rounds and discussion on the management of emergency patient and acute medicine.</li> </ul>				
<b>Learning Outcomes</b>	<p>By the end of this course, students will be able to:</p> <ul style="list-style-type: none"> <li>• Understand key points in the management of the emergency patient,</li> <li>• take history and perform general physical examination of the ill and injured</li> <li>• Understand strategies in the differential diagnosis and treatment in the emergency setting.</li> <li>• Organize a patients' portfolio of at least six patients managed acutely in the emergency department and admitted into hospital.</li> </ul>				
<b>Educational Methods</b>	Shadowing the attending emergency physician, taking part in clinical practice. (may include day and night shifts)				
<b>Assessment Methods</b>	Portfolio, performance assessment.				

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Clinical Microbiology	2013-2014	MED 561	135	5	5

<b>Prerequisite</b>	None
<b>Educational language</b>	Turkish
<b>Course Type</b>	Elective
<b>Course Level</b>	Undergraduate
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiç; isil.pakis@acibadem.edu.tr
<b>Clerkship Coordinator</b>	Assist.Prof.Işın AKYAR
<b>Academic Staff</b>	<b>Microbiology:</b> Işın AKYAR, M.D., Assist. Prof.
<b>Duration</b>	3 weeks
<b>Aim</b>	To give a perspective information about clinical microbiology
<b>Learning Outcomes</b>	By the end of this course, students will be able to: <ul style="list-style-type: none"> <li>• Perform clinical sample preparation and transportation of microbiology samples.</li> <li>• Perform microbiologic culturing techniques</li> <li>• Define methods of serological tests.</li> <li>• Define methods of molecular microbiology tests</li> <li>• Evaluate the results of the microbiologic tests</li> </ul>
<b>Educational Methods</b>	Lecture and practice
<b>Assessment Methods</b>	Practice and attendance

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Cardiology	2013-2014	MED 562	135	5	5

<b>Prerequisite</b>	None
<b>Educational language</b>	English
<b>Course Type</b>	Elective
<b>Course Level</b>	Undergraduate
Year Coordinators	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakişi; isil.pakis@acibadem.edu.tr
Clerkship Coordinator	Prof, Tuğrul Norgaz Prof. A. Duran Demir
Academic Staff	<b>Cardiology:</b> Tuğrul NORGAZ, M.D., Prof. A. Duran DEMİR, M.D., Prof. Sinan DAĞDELEN, M.D., Prof. Şevket GÖRGÜLÜ, M.D., Prof. İlke SİPAHİ, M.D., Prof. Ahmet AKYOL, M.D., Assoc. Prof. Seden ÇELİK, M.D., Assoc. Prof. Tansu KARAAHMET, M.D., Assoc. Prof. Ali BUTURAK, M.D., Instructor
Duration	3 weeks
Aim	Aims of the present course are as follows; <ul style="list-style-type: none"> <li>• make students familiar with cardiology clinic.</li> <li>• join to the clinical applications.</li> <li>• link theoretical knowledges with everyday practice.</li> <li>• learn evaluation and theuropathic procedures for elective and emergent cardiac conditions.</li> </ul>
Learning Outcomes	By the end of this course, students will be able to: <ul style="list-style-type: none"> <li>• Performa clinical history taking and physical examination of cardiac patients.</li> <li>• Apply and interpret of noninvasive cardiac tests together with professionals</li> <li>• Perform cardiac diferantial diagnosis and treatment.</li> <li>• Define critical pathways to approach to cardiac emergencies.</li> </ul>
Educational Methods	Clinical practice
Assessment Methods	Oral examination

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Family Medicine	2013-2014	MED563	135	5	5
<b>Educational language</b>	English				
<b>Course Type</b>	Elective				
<b>Course Level</b>	Undergraduate				
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakişi; isil.pakis@acibadem.edu.tr				
<b>Clerkship Coordinator</b>	Assoc. Prof. Pınar Topsever, pinar.topsever@acibadem.edu.tr				
<b>Clerkship Subcoordinators</b>	Assist. Prof. Efe Onganer Dr. Şirin Parkan				
<b>Academic Units &amp; Staff</b>	<p><b>Family Medicine</b> Pınar TOPSEVER, M.D., Assoc. Prof. Efe ONGANER, M.D., Assist. Prof. Demet DİNÇ, M.D., Instructor</p> <p><b>Affiliated Faculty (Family Medicine)</b> Şirin PARKAN, M.D. Sabah TÜZÜN, M.D. Erhan SAYALI, M.D. Senem ASLAN TANGÜREK, M.D. Bayram AKMAN, M.D. Emrah KIRIMLI, M.D. Ali Osman ÖZTÜRK, M.D.</p>				
<b>Duration</b>	3 weeks				
<b>Aim</b>	To gain the contextual, attitudinal and scientific abilities necessary for the clinical practice of family medicine in primary health care				
<b>Learning Outcomes</b>	<p>By the end of this course, students have the qualities listed below:</p> <ul style="list-style-type: none"> <li>• Be aware of and manages patients with first contact to health care</li> <li>• Make efficient use of health care resources</li> <li>• Displays a person centered approach</li> <li>• Promotes patient empowerment</li> <li>• Communicates effectively, experiences and participated in the unique consultation process establishing a trusted doctor patient relationship over time</li> <li>• Experiences and participates in provision of longitudinal continuity of care driven by health care needs of the patient</li> <li>• Distinguishes between specific clinical decision making process determined by prevalence and incidence in the community ( low prevalence medicine) and clinical decision making in (high prevalence) secondary and tertiary care</li> <li>• Has experienced simultaneous management of both, acute and chronic health problems of individual patients</li> <li>• Can distinguish and initially management illness presenting in an undifferentiated way at an early stage, which may require urgent intervention – triage</li> <li>• Promotes health and well being of individuals in the community by appropriate and effective intervention – preventive care</li> <li>• Assumes a specific responsibility for the health of the community</li> <li>• Deals with health problems in their physical, psychological, social, cultural and existential dimensions.</li> </ul>				
<b>Educational Methods</b>	Lectures, Clinical Skills, Ward rounds-outpatient clinics, Problem Based Learning, Case Discussions				
<b>Assessment Methods</b>	Clinical Performance Assessment, Written Exam, Structured Oral Exam				

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Sleep Disorders	2013-2014	MED 564	135	5	5

<b>Prerequisite</b>	None
<b>Educational language</b>	English & Turkish
<b>Course Type</b>	Elective
<b>Course Level</b>	Undergraduate
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiç; isil.pakis@acibadem.edu.tr
<b>Clerkship Coordinator</b>	Çağlar Çuhadaroglu MD. Prof.,
<b>Academic Units &amp; Staff</b>	Çağlar ÇUHADAROĞLU, MD. Prof., Hasan TANYERİ, MD., Prof., Golabi P M.D., Instructor Yavuz B M.D., Assist.Prof.
<b>Duration</b>	3 weeks
<b>Aim</b>	This elective clerkship aims to give an opportunity to the student as follows; <ul style="list-style-type: none"> <li>• -a short introduction to sleep disorders</li> <li>• - to gain knowledge about impact of sleep onto other disorders</li> <li>• - to practice in a sleep laboratory</li> </ul>
<b>Learning Outcomes</b>	By the end of this course, students will be able to: <ul style="list-style-type: none"> <li>• Define the sleep disorders</li> <li>• Differentiate reason of day time sleepiness</li> <li>• Evaluate the polysomnography report</li> <li>• Decide to proper treatment for sleep disordered breathing</li> </ul>
<b>Educational Methods</b>	Theoretical courses Sleep laboratory practice Outpatients Operating room observation
<b>Assessment Methods</b>	Quiz ( 10- multi choice questions and scoring a PSG trace)

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Occupational Health and Safety	2013-2014	MED 565	135	5	5
<b>Prerequisite</b>	None				
<b>Educational language</b>	Turkish & English				
<b>Course Type</b>	Elective				
<b>Course Level</b>	Undergraduate				
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakişi; isil.pakis@acibadem.edu.tr				
<b>Clerkship Coordinator</b>	Nadi BAKIRCI, M.D., PhD., Prof. Çağlar ÇUHADAROĞLU, M.D., Prof				
<b>Clerkship Subcoordinator</b>	Assoc. Prof. Figen DEMİR				
<b>Academic Units &amp; Staff</b>	<p><b>Public Health</b> Nadi BAKIRCI, M.D., PhD., Prof. Figen DEMİR, M.D., Assist., Prof.</p> <p><b>Pulmonary Diseases</b> Çağlar ÇUHADAROĞLU, M.D., Prof Hilal ALTINÖZ, M.D.</p>				
<b>Duration</b>	3 weeks				
<b>Aim</b>	This clerkship aims to create a learning opportunity for students to develop the knowledge and skills related to occupational health and safety. The students will be able to observe the occupational hazards and control methods in the workplaces.				
<b>Learning Outcomes</b>	<p>By the end of this course, students will be able to:</p> <ul style="list-style-type: none"> <li>• identify health and safety hazards in workplace</li> <li>• list the prevention efforts regarding occupational health</li> <li>• find solutions to health and safety problems</li> <li>• describe the actions to be taken when an injury occurs in the workplace</li> </ul>				
<b>Educational Methods</b>	Case analyse and field study.				
<b>Assessment Methods</b>	Portfolio and performance assessment.				

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Anesthesiology and Reanimation	2013-2014	MED 566	135	5	5
<b>Prerequisite</b>	None				
<b>Educational language</b>	English and Turkish				
<b>Course Type</b>	Elective				
<b>Course Level</b>	Undergraduate				
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiş; isil.pakis@acibadem.edu.tr				
<b>Clerkship Coordinator</b>	Prof. Fevzi TORAMAN				
<b>Clerkship sub-coordinators</b>	Assist. Prof. Z Serpil Ustalar OZGEN				
<b>Academic Units &amp; Staff</b>	<b>Anesthesiology and Reanimation:</b> Sibel AKÖZER, M.D, Assoc. Prof. Özcan ERDEMLİ, M.D, Assoc. Prof. Meltem Açıl, M.D, Instructor. Muharrem KOÇYİĞİT, Instructor.				
<b>Duration</b>	3 weeks				
<b>Aim</b>	The aim of the course is to provide an integrated knowledge and skills of establishing airway maintenance, to teach differences in methods of anesthesia, to provide basic principles of algology, critical care and cardiopulmonary resuscitation				
<b>Learning Outcomes</b>	At the end of the course, students should be able to: <ol style="list-style-type: none"> <li>1. Define fields of anesthesia and understand different methods of anesthesia</li> <li>2. Obtain basic knowledge and skills of establishing airway maintenance and vascular access</li> <li>3. Recognize basic principles of anesthetic management for various patients undergoing different surgical procedures in and outside the operating theater</li> <li>4. Become familiar with algology and critical care units</li> <li>5. Have the skills of applying basic and advanced life support according to international guidelines</li> </ol>				
<b>Educational Methods</b>	Theoretical and practical lectures, case discussions, and bed side training.				
<b>Assessment Methods</b>	<ol style="list-style-type: none"> <li>1. Case discussions</li> <li>2. Patient reports recorded by students</li> <li>3. Case-based exam questions</li> </ol>				

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Dermatology	2013-2014	MED 567	135	5	5
<b>Prerequisite</b>	Completion of Dermatology Clerkship program				
<b>Educational language</b>	English and Turkish				
<b>Course Type</b>	Elective				
<b>Course Level</b>	Undergraduate				
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakişi; isil.pakis@acibadem.edu.tr				
<b>Clerkship Coordinator</b>	Prof. Emel Öztürk DURMAZ				
<b>Clerkship sub-coordinators</b>	Assoc. Prof. Engin SEZER Prof. Sedef ŞAHİN				
<b>Academic Units &amp; Staff</b>	<b>Dermatology:</b> Sedef ŞAHİN, M.D., Prof. Emel Öztürk DURMAZ, M.D., Prof. İkbal Esen AYDINGÖZ, M.D., Prof. Engin SEZER, M.D., Assoc. Prof. Yasemin SARAY, M.D., Assoc. Prof. Emel GÜNGÖR, M.D., Assoc. Prof. Özgür BAKAR, M.D., Assist. Prof. Deniz DUMAN, M.D., Assist. Prof.				
<b>Duration</b>	3 weeks				
<b>Aim</b>	The purpose of elective Dermatology Clerkship is to accomplish the use of appropriate dermatologic terminology during evaluation of cutaneous alterations, to afford necessary knowledge, training, experience and skills for the diagnosis, treatment, follow up and prevention of frequently encountered dermatologic and venereologic diseases and to integrate this approach with the knowledge, attitudes and skills already acquired in the first 3 years of medical school for clinical practice.				
<b>Learning Outcomes</b>	<ul style="list-style-type: none"> <li>• By the end of this course, students will be able to:</li> <li>• Obtain relevant history, perform a stepwise basic dermatologic examination (cutaneous and mucosal) and then present these findings in a logical and concise manner and with appropriate dermatologic terminology.</li> <li>• Develop a problem-oriented method of patient evaluation.</li> <li>• Diagnose and plan treatment for frequently encountered dermatologic and venereologic diseases</li> <li>• Provide appropriate general recommendations for the patient</li> <li>• Sense or recognize and consult for rarely encountered dermatologic and venereologic disorders</li> <li>• Evaluate the risk/benefit ratio of medical therapeutics and dermatologic interventions.</li> <li>• Gather further knowledge and experience and witness minor and major dermatologic interventions, including dermatoscopy, biopsy, excision, wound care, cryotherapy, electrosurgery, phototherapy and laser surgery</li> <li>• Become familiar with humanistic and ethical considerations involved in patient care.</li> <li>• Develop conduct and behavior appropriate for a medical professional.</li> <li>• Develop and encourage a medical curiosity which will stimulate the student to continue a life-long system of self-education.</li> <li>• Develop an evidence-based approach to medical management</li> </ul>				
<b>Educational Methods</b>	Interactive learning sessions Case Discussions Seminars Outpatient clinical skills Practice in the operating and laser surgery room				
<b>Assessment Methods</b>	Clinical performance assessment				

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Neurosurgery -1 (Neurooncology)	2013-2014	MED 568	135	5	5
<b>Prerequisite</b>	For students who have completed Neurology and Neurosurgery clerkships				
<b>Educational language</b>	English				
<b>Course Type</b>	Elective				
<b>Course Level</b>	Undergraduate				
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiç ; isil.pakis@acibadem.edu.tr				
<b>Clerkship Coordinator</b>	Assoc.Prof. Koray ÖZDUMAN				
<b>Clerkship sub-coordinators</b>	Evrım Kadriye TEZCANLI, Instructor.				
<b>Academic Staff</b>	<p><b>Neurosurgery:</b> M Necmettin PAMİR, Prof. Koray ÖZDUMAN, Assoc.Prof.</p> <p><b>Radiosurgery:</b> Selçuk PEKER, M.D.,Prof.</p> <p><b>Radiation oncology:</b> Evrım Kadriye TEZCANLI, Instructor</p> <p><b>Neuroradiology:</b> Alp DİNÇER, Assoc.Prof.</p> <p><b>Pathology:</b> M Aydın SAV, Prof.</p> <p><b>Molecular Biology-Genetics:</b> Cemaliye Akyerli BOYLU, Assist.Prof.</p> <p><b>Endocrinology:</b> Özlem Sezgin, Assist.Prof.</p>				
<b>Duration</b>	3 weeks				
<b>Aim</b>	To train medical students in comprehensive-multidisciplinary diagnosis, treatment and follow-up of malignancies of the nervous system. An emphasis on clinical and basic science research of neurological malignancies will also be given.				
<b>Learning Outcomes</b>	<p>By the end of this course, students will be able to:</p> <ul style="list-style-type: none"> <li>• Diagnose and know treatment for neurooncological emergencies,</li> <li>• Be familiar with “state of the art” diagnostic techniques,</li> <li>• Be familiar with common neurooncological pathologies, their diagnosis and treatment,</li> <li>• Perform “critical reading” of clinical or research articles.</li> </ul>				
<b>Educational Methods</b>	<p>Bedside teaching</p> <p>Clinical Skills (Inpatient care, outpatient clinics, practical surgery, radiation therapy, radiosurgery)</p> <p>Diagnostic clinics (Neuroradiology, Neuropathology, Molecular biology)</p> <p>Research seminars</p> <p>Student presentations</p>				
<b>Assessment Methods</b>	Students will be graded on an “Objective Clinical Performance Assessment” as honors student – satisfactory student or poor student.				

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Neurosurgery-2 Gamma knife radiosurgery and stereotactic neurosurgery	2013-2014	MED 569	135	5	5
<b>Prerequisite</b>	None				
<b>Educational language</b>	English				
<b>Course Type</b>	Elective				
<b>Course Level</b>	Undergraduate				
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünan; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakişi; isil.pakis@acibadem.edu.tr				
<b>Clerkship Coordinator</b>	Prof. Selçuk PEKER				
<b>Clerkship sub-coordinators</b>	Assoc. Prof. Meriç ŞENGÖZ				
<b>Academic Units &amp; Staff</b>	<b>Neurosurgery:</b> Selçuk PEKER, M.D., Prof. Meriç Şengöz, M.D., Assoc. Prof. Meltem YILMAZ, Physicist				
<b>Duration</b>	3 weeks				
<b>Aim</b>	The aim of this course is to give the students a brief understanding of the indications, practice and results of Gamma Knife Radiosurgery, the GKRS treatment, Stereotactic neurosurgery clinical applications and stereotactic biopsy, besides to make them a co-author of a scientific article.				
<b>Learning Outcomes</b>	By the end of this course, students will be able to: <ul style="list-style-type: none"> <li>• Assist GKRS procedure</li> <li>• Assist Stereotactic biopsy procedure</li> <li>• Apply stereotactic frame application</li> <li>• Write a neurosurgical article</li> </ul>				
<b>Educational Methods</b>	Interactive learning session Practical applications				
<b>Assessment Methods</b>	Oral examinations				

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Thoracic Surgery	2013-2014	MED 570	135	5	5

<b>Prerequisite</b>	None
<b>Educational language</b>	English
<b>Course Type</b>	Elective
<b>Course Level</b>	Undergraduate
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiş ; isil.pakis@acibadem.edu.tr
<b>Clerkship Coordinator</b>	Prof.Semih HALEZEROLU
<b>Clerkship sub-coordinators</b>	Erdal OKUR, M.D., Assoc.Prof.
<b>Academic Units &amp; Staff</b>	Thoracic Surgery Departments' Academic Staff
<b>Duration</b>	3 weeks
<b>Aim</b>	To provide a platform and opportunities to the trainees for having a depth knowledge in thoracic surgical conditions both practically and theoretically.
<b>Learning Outcomes</b>	By the end of this course, students will be able to: <ul style="list-style-type: none"> <li>• Understand the importance of lung cancer in the world,</li> <li>• Perform appropriate diagnostic tools and select the most appropriate treatment for different stages.</li> <li>• Perform to put a chest tube for pneumothorax or hemothorax.</li> <li>• Distinguish the bronchial orifices by bronchoscopy and understand the structural condition of human lung.</li> </ul>
<b>Educational Methods</b>	Practical education and theoretical sessions
<b>Assessment Methods</b>	Performance evaluation during the training Oral examination at the end of the course

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Cardiovascular surgery	2013-2014	MED 571	135	5	5

<b>Prerequisite</b>	None
<b>Educational language</b>	English
<b>Course Type</b>	Elective
<b>Course Level</b>	Undergraduate
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiç; isil.pakis@acibadem.edu.tr
<b>Clerkship Coordinator</b>	Prof. Cem ALHAN
<b>Clerkship sub-coordinators</b>	Assoc. Prof. Şahin ŞENAY
<b>Academic Units &amp; Staff</b>	<b>Cardiovascular Surgery:</b> Cem ALHAN, M.D.,Prof. Şahin ŞENAY, M.D., Assoc. Prof.
<b>Duration</b>	3 weeks
<b>Aim</b>	To train students by teaching them the basic cardiovascular operative techniques
<b>Learning Outcomes</b>	By the end of this course, students will be able to: <ul style="list-style-type: none"> <li>Demonstrate the knowledge of indications, limitations, risks and techniques of basic cardiovascular operations including coronary bypass, valve procedure, aortic procedure</li> </ul>
<b>Educational Methods</b>	Case presentations, small group discussions, patient side training, operation room & intensive care unit observership, literature review
<b>Assessment Methods</b>	Oral exam

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Nuclear Medicine	2013-2014	MED 572	135	5	5

<b>Educational language</b>	English
<b>Course Type</b>	Elective
<b>Course Level</b>	Undergraduate
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiç; isil.pakis@acibadem.edu.tr
<b>Clerkship Coordinator</b>	Prof. Dr. Erkan VARDARELİ
<b>Clerkship Subcoordinators</b>	Assist. Prof. Dr. Levent GÜNER
<b>Academic Units &amp; Staff</b>	<b>Nuclear Medicine:</b> Erkan VARDARELİ, M.D., Prof. Levent GÜNER, M.D., Assist. Prof.
<b>Duration</b>	3 weeks
<b>Aim</b>	<ul style="list-style-type: none"> <li>To elaborate on the principles of nuclear medicine techniques and the usage of radioactivity in medicine</li> <li>To focus is on the diagnosis of patients with oncologic disease</li> <li>To manage of patients with treated with radionuclides</li> </ul>
<b>Learning Outcomes</b>	By the end of this course students will be able to; <ul style="list-style-type: none"> <li>Prepare Radioactive materials and radionuclides preparation</li> <li>Define Thyroid scintigraphy and clinical abnormalities of thyroid diseases</li> <li>Define the principles of radionuclide therapy and radiation protection</li> <li>Define the diagnosis, staging and evaluation of treatment response in Nuclear oncology</li> <li>Understand the role of nuclear medicine in cardiology, genito- urinary system, neurology and skeletal system</li> </ul>
<b>Educational Methods</b>	Lectures Case Discussions
<b>Assessment Methods</b>	Clinical Performance Assessment Case based exam questions

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Clinical Biochemistry	2013-2014	MED 573	135	5	5

<b>Prerequisite</b>	None
<b>Educational language</b>	English
<b>Course Type</b>	Elective
<b>Course Level</b>	Undergraduate
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiç; isil.pakis@acibadem.edu.tr
<b>Clerkship Coordinator</b>	Prof. Mustafa SERTESER
<b>Academic Units &amp; Staff</b>	<b>Clinical Biochemistry:</b> Mustafa SERTESER, M.D., Prof. Abdurrahman COŞKUN, Assoc. Prof.
<b>Duration</b>	3 weeks
<b>Aim</b>	The aim of this clerkship is provide soon to be medical doctors useful information about clinical biochemistry tests that are used in disease diagnosis, treatment and progression, so that they can understand and know how and when to use these tests. In addition, to provide them information about clinical test workflow including reporting and let them be aware of the methods used in clinical testing.
<b>Learning Outcomes</b>	By the end of this course, students will be able to: <ul style="list-style-type: none"> <li>• Describe the importance of appropriate sample collection and transport.</li> <li>• Define the diversity and working methods of biochemical samples.</li> <li>• Consolidate their knowledge about the reference intervals, potentials for decision making and how they are determined.</li> <li>• Describe the stages (preanalytical, analytical and postanalytical) of biochemical result production and how these stages reflect the results.</li> <li>• Define diseases, requesting clinical tests related to these diseases, analyses and interpretation of the tests.</li> <li>• Define the properties of the hematological tests and interpretation of peripheral blood smear results.</li> <li>• Describe scientific research methods and using advanced technologies.</li> </ul>
<b>Educational Methods</b>	
<b>Assessment Methods</b>	Performance assessment

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Physiology - Laboratory animals in research	2013-2014	MED 574	135	5	5
<b>Prerequisite</b>	None				
<b>Educational language</b>	English				
<b>Course Type</b>	Elective				
<b>Course Level</b>	Undergraduate				
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiç; isil.pakis@acibadem.edu.tr				
<b>Clerkship Coordinator</b>	Prof. Güldal SÜYEN				
<b>Academic Units &amp; Staff</b>	<b>Department of Physiology:</b> Melike ŞAHİNER, M.D., PhD, Assist. Prof. Mehmet ERGEN, DVM., PhD, Assist. Prof. Meltem KOLGAZİ, MD., PhD, Assist. Prof.				
<b>Duration</b>	3 weeks				
<b>Aim</b>	To provide basic knowledge and practice about laboratory animal research and to raise awareness about how the laboratory animals are used to answer a research question				
<b>Learning Outcomes</b>	By the end of this course, students will be able to: <ul style="list-style-type: none"> <li>• account the properties of a good animal model</li> <li>• describe the basic principles of laboratory animal research</li> <li>• describe the rules and guidelines related to working in an animal lab.</li> <li>• write a research proposal in which laboratory animals are used</li> <li>• perform basic applications under supervision</li> </ul>				
<b>Educational Methods</b>	Seminars Discussion hours Journal club Hands on training				
<b>Assessment Methods</b>	Presentations Research proposal Written exam				

CLERKSHIP	YEAR	CODE	Student Workload (Hours)	National Credits	ECTS
Molecular research methods	2013-2014	MED 575	135	5	5

<b>Educational language</b>	English
<b>Course Type</b>	Elective
<b>Course Level</b>	Undergraduate
<b>Year Coordinators</b>	Prof. Ömer Faruk Ünal; omer.unal@acibadem.edu.tr Assoc. Prof. Işıl Pakiç; isil.pakis@acibadem.edu.tr
<b>Clerkship Coordinator</b>	Prof. Tanıl KOCAGÖZ
<b>Clerkship Subcoordinators</b>	Assos. Prof. Özgür KURT
<b>Academic Units &amp; Staff</b>	Sinem Öktem Okullu, Nihan Aytekin Ünübol
<b>Duration</b>	3 weeks
<b>Aim</b>	To give training about molecular research methods
<b>Learning Outcomes</b>	At the end of the course students will be able to: Do bacterial, fungal and eucaryotic cell culture Isolate and purify nucleic acids from different cell types Learn and apply protein purification methods Evaluate samples by regular light, inverted and fluorescent microscopes
<b>Educational Methods</b>	Laboratory practice and theoretical lessons and discussions
<b>Assessment Methods</b>	Practical examination



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