Faculty of Medicine

The Program in Medical Education at Bezmialem Vakıf University is the organizational structure housing the educational programs leading to the MD degree. Under the leadership of the Dean for Medical Education and the Associate Dean for Medical Education Planning and Administration, the offices of the PME are responsible for all aspects of the educational plan and for development and review of educational policies. Such program aims to fulfill all requirements in the European standard to assure that our medical students will be equipped with the knowledge and skills for treating patients and providing the remedy for the ill.

The Administrative Structure of Medical Education In Bezmialem Vakıf University

An academic director for each educational year whom composes the curriculum committee for medical education supervises all six medical educational programs. In return an executive director whom mentors this committee enables coordination between the curriculum committee and the administrative department. Also a parallel unit including: Student admissions; the Academic Societies; the academy/Centre for Teaching Learning; Student Affairs and Science Laboratory and Research Centre coordinate with this curriculum committee. In return all these chairs are under the responsibility of the Associate Dean for Medical Education Planning and Administration and has the responsibility for all administrative functions in the Medical Educational Program (PME). Reporting to the Associate Dean is a team of senior administrative staff who work together to facilitate communication throughout the PME, develop administrative policies and procedures, and plan events or programs. Each area of the PME has a representative on a Senior Administrators Group, chaired by the Associate Dean, including the Academy, the Academic Societies, Admissions, the Center for Evaluation, Curriculum Programs, Financial Aid, Financial Administration, the DME's Office, the Registrar's Office, Scholars in Medicine, and Student Affairs.

The Medical Curriculum

The curriculum of Bezmialem Medical Faculty integrates the biological, social, behavioral, and clinical sciences over a six-year period. During the first three years, emphasis is placed upon the biological and basic sciences, which are closely correlated with the social and behavioral sciences. As the student progresses, the clinical sciences come to the fore, and the venue of education transfers from our charming historical complex to the modern hospital building were students are confronted with hundreds of clinical cases around the clock.

The following are the available lectures, which are literally in English language:

List of Courses in English:

First Year (PME)

Turkish Language I (TDL 1101)		
ECTS: 2	2 h/w theory	Period: G

Ataturk's Principles and History of Turkish Revolution I (ATA 1101)		
ECTS: 2	2 h/w theory	Period: G

Medical English I (INGFT 1101)		
ECTS: 4	4 h/w theory	Period: G

Turkish Language II (TDL 1201)		
ECTS: 2	2 h/w theory	Period: B

Ataturk's Principles and History of Turkish Revolution II (ATA 1201)		
ECTS: 2	2 h/w theory	Period: B

Medical English II (INGFT 1201)		
ECTS: 4	4 h/w theory	Period: B

Cell and Tissue I (*TF 1000 /**TF 1001)

ECTS: 9	14 h/w theory 1 h/w Practical	Period: Year around

Cell and Tissue II (*TF 1000 /**TF 1002)		
ECTS: 9	14 h/w theory 4 h/w Practical	Period: Year around

Cell and Tissue III (*TF 1000 /**TF 1003)		
ECTS: 9	15 h/w theory 5 h/w Practical	Period: Year around

Cell and Tissue IV (*TF 1000 /**TF 1004)		
ECTS: 9	9 h/w theory 2 h/w Practical	Period: Year around

Elective Lecture ***		
ECTS: 2	1 h/w theory	Period: G

Elective Lecture ***		
ECTS: 2	1 h/w theory	Period: G

Elective Lecture ***		
ECTS: 2	1 h/w theory	Period: B

Elective Lecture ***		
ECTS: 2	1 h/w theory	Period: B

Second Year (PME)

Medical English III (INGFT 2101)		
ECTS: 4	4 h/w theory	Period: G

Medical English IV (INGFT 2201)		
ECTS: 4	4 h/w theory	Period: B

Circulatory Blood and Respiratory Systems (*TF 2000 /**TF 2001)		
ECTS: 13	15 h/w theory 6 h/w Practical	Period: Year around

Gastrointestinal systems and metabolism (*TF 2000 /**TF 2002)		
ECTS: 10	13 h/w theory 4 h/w Practical	Period: Year around

Nervous System (*TF 2000 /**TF 2003)		
ECTS: 11	14 h/w theory 4 h/w Practical	Period: Year around

Endocrine and Urogenital Systems (*TF 2000 /**TF 2004)		
ECTS: 10	18 h/w theory 2 h/w Practical	Period: Year around

Elective Lecture ***		
ECTS: 2	1 h/w theory	Period: G

Elective Lecture ***		
ECTS: 2	1 h/w theory	Period: G

Elective Lecture ***		
ECTS: 2	1 h/w theory	Period: B

Elective Lecture ***		
ECTS: 2	1 h/w theory	Period: B

Third Year (PME)

Biological Basis of Disease-I (*TF 3000 /**TF 3001)		
ECTS: 7	4h/w theory 1h/w Practical	Period: Year around

Biological Basis of Disease-II (*TF 3000 /**TF 3002)		
ECTS: 6	3 h/w theory 1 h/w Practical	Period: Year around

Cardiovascular and Respiratory System Disease (*TF 3000 /**TF 3003)		
ECTS: 7	4 h/w theory 1 h/w Practical	Period: Year around

Gastrointestinal System and Hematologic Diseases (*TF 3000 /**TF 3004)		
ECTS: 10	5 h/w theory 2 h/w Practical	Period: Year around

Endocrine and Genitourinary System Diseases (*TF 3000 /**TF 3005)		
ECTS: 11	5 h/w theory 2 h/w Practical	Period: Year around

The Neuro-musculo-skeletal System Diseases (*TF 3000 /**TF 3006)		
ECTS: 10	6 h/w theory 1 h/w Practical	Period: Year around

Public Health and Forensic Medicine (*TF 3000 /**TF 3007)		
ECTS: 7	4 h/w theory 1 h/w Practical	Period: Year around

Medical Skill Training (*TF 3000 /**TF 3008)		
ECTS: 2	2 h/w Practical	Period: Year around

Fourth Year (PME)

Pediatrics TF 4001		
ECTS: 15	2.5h/w theory 5h/w Practical	Period: Year around

General Surgery TF 4002		
ECTS: 15	2.5 h/w theory 5 h/w Practical	Period: Year around

Internal Medicine TF 4003		
ECTS: 15	2.5 h/w theory 5 h/w Practical	Period: Year around

Gynecology and Obstetrics TF 4004		
ECTS: 15	2.5 h/w theory 5 h/w Practical	Period: Year around

Fifth Year (PME)

Anesthesiology and Reanimation TF 5001		
ECTS: 3	1h/w theory 1h/w Practical	Period: Year around

Neurosurgery TF 5002		
ECTS: 3	1 h/w theory 1 h/w Practical	Period: Year around

Pediatric Surgery TF 5003		
ECTS: 1	1 h/w theory 1 h/w Practical	Period: Year around

Dermatology TF 5004		
ECTS: 3	1 h/w theory 1 h/w Practical	Period: Year around

Infectious Diseases TF 5005		
ECTS: 3	1h/w theory 1h/w Practical	Period: Year around

Physical Medicine and Rehabilitation TF 5006		
ECTS: 3	1 h/w theory 1 h/w Practical	Period: Year around

Eye Diseases TF 5007		
ECTS: 3	1 h/w theory 2 h/w Practical	Period: Year around

Chest Diseases TF 5008		
ECTS: 5	2 h/w theory 2 h/w Practical	Period: Year around

Cardiology TF 5009		
ECTS: 5	2 h/w theory 2 h/w Practical	Period: Year around

Cardiovascular Surgery + Thoracic Surgery TF 5010		
ECTS: 4	2 h/w theory 2 h/w Practical	Period: Year around

Otorhinolaryngologic diseases 5011		
ECTS: 3	1 h/w theory 1 h/w Practical	Period: Year around

Neurology 5012		
ECTS: 5	2 h/w theory 2 h/w Practical	Period: Year around

Nuclear Medicine 5013		
ECTS: 1	1h/w theory 1h/w Practical	Period: Year around

Orthopedics and Traumatology /Sports Medicine TF 5014		
ECTS: 5	2 h/w theory 2 h/w Practical	Period: Year around

Plastic, reconstructive and aesthetic surgery TF 5015		
ECTS: 3	1 h/w theory 1 h/w Practical	Period: Year around

Radiology TF 5016		
ECTS: 3	1 h/w theory 1 h/w Practical	Period: Year around

Radiation oncology TF 5017		
ECTS: 1	1h/w theory 1h/w Practical	Period: Year around

Psychiatry TF 5018		
ECTS: 3	1 h/w theory 1 h/w Practical	Period: Year around

Urology TF 5019		
ECTS: 3	1 h/w theory 1 h/w Practical	Period: Year around

Sixth Year (PME)

Internal Medicine TF 6001		
ECTS: 12	9h/w Practical	Period: Year around

Pediatrics TF 6002		
ECTS: 9	6 h/w Practical	Period: Year around

Obstetrics and Gynecology TF 6003		
ECTS: 9	6 h/w Practical	Period: Year around

General Surgery TF 6004		
ECTS: 9	6 h/w Practical	Period: Year around

Public Health TF 6005		
ECTS: 9	3h/w Practical	Period: Year around

Psychiatry TF 6006		
ECTS: 6	3 h/w Practical	Period: Year around

Elective Δ TF 5007		
ECTS: 3	3 h/w Practical	Period: Year around

Notifications:

*TF 1000, TF 2000, TF 3000: Each covers the total yearly committees. The committees will be taken into account in grades and will be shown in the transcript. It may differ from the total of all of the committees. ** The committees. The weekly lecture and practical hours are calculated according to the timetable.
L: Lecture hours
P: Practical hours
C: Credit given to the course
ECTS: European credit transfer systems
T: timetable yearly (Y), 1st term (G), 2nd term (B)

G: Includes the term from October-to-January

B: Includes the term from April-to-June

Elective Δ: denotes to the minor branches listed in the fifth year table.

Elective Lectures ***

ELECTIVES

Code	Course Name
SEC 1301	American Culture,Music& Cinema
SEC 1302	Exceptional Circumstances and Disaster Medicine
SEC 1303	Sociology of Health
SEC 1304	Communication Skills
SEC 1305	Medicine and Philosophy
SEC 1306	Computer
SEC 1307	Development psychology
SEC 1308	Turkey-European Union Relations

SEC 1309	German
SEC 1310	Press and Communication
SEC 1311	Disaster Prep & CPR Certification
SEC 1312	Mythology & Folklore
SEC 1313	Film Studies
SEC 1314	Drama & Theatrical Arts
SEC 1315	Creative Multimedia Production
SEC 1316	Public Speaking & Communicative Competenc

Anatomy

Anatomy I (TF-1004)
ECTS : 82 h /year theory, 43 h /year practise Period : october-june
Coordinator : Yasin ARİFOĞLU
Course objectives: The aim of the programme is to facilitate students' acquisition of knowledge and understanding of normal structure and function of the human body as the basis of medical practice. The objective of this course is to provide students a visual and three-dimensional knowledge and understanding of the human body through the experience of dissection, prosection and models. Course content : Introdustion to head and neck anatomy, the names of anatomical structures of the region, the related clinical anatomy and radiological anatomy Form of tuition : Lectures,laboratory,films,disection,panel and self-study Entry requirements : Anatomy I
Anatomy II (TF-2002)
ECTS : 121h/year theory, 70 h/ practise Period : october- june
Coordinator : Yasin Arifoğlu,PhD
Course objectives : The aim of the programme is to facilitate students' acquisition of knowledge and understanding of normal structure and function of the human body as the basis of medical practice. The objective of this course is to provide students a visual and three-dimensional knowledge and understanding of the human body through the experience of dissection,prosection and models. Course contents : Introduction to the digestive system, topography of the abdominal cavity, the abdominal muscle in the front and side wall inguinal canal,peritoneal, anatomy of the mouth, pharynx, esophagus, stomach,small intestine, large intestine , liver, pancreas and spleen, portal system, posterior wall of the abdomen, digestive system vessels and nerves, plexuses of the abdominal. Form of tuition : Lectures ,laboratory,films,disection, panel and self-study Entry requirements : Anatomy II

Anesthesiology and Reanimation/Fifth Year (PME)

Anesthesiology and Reanimation(TF 5001)
ECTS:3 1h/w theory 1h/W Practical Period: Year Around
Coordinator: Prof. Dr. Ziya SALIHOĞLU, Asc. Prof. Dr. Zafer DOĞAN
Course objective: 1)Describe the ways and principles of anesthesia, 2) Compete with lifethreating emergent medical problems, 3)Describe the basic principles of critical patient care, 4) Describe the physiological problems important in critical care, 5)Being able to do lifesaving interventions Course Contents: Methods of anesthesia, drugs used in anesthesia and effects on systems,basic physiological principles in critical patient care, important critical conditions, lifesupport To be informed about the practice of anesthesia and critical patient care and be familiarwith some interventions Form of tuition: Lectures, tutorials and self studydiscussions about the related scientificstudies Entry requirements: TF 5001

Cardiovascular Surgery

Cardiovascular surgery + Theracic Surgery (TF 5010)		
ECTS : 4	2 h/w theory, 2 h/w practical	Period : year around
Coordinator : Rahmi Zeybek,Prof.		
Course objective : The aim of course is to referach the student's knowledge about cardiovascular anatomy and physiology, to teach them the cardiovascular disase etiology, risk factors, medicine treatment and surgical indicatioans. Otherwise to instract them about the emergency conditions and give them the chance for enter operations. Course content : Coronary artery diseases and coronary bypass surgery, heart valve diseases, congenital heart diseases (atrial septal defect, ventricular septal defect, patent ductus arteriosus, Tetralogy of Fallot), venous disease, peripheral arterial diseases. From of tuition : Lectures, tutorials and self-study Entry requirements : None		

Dermatology

Dermatology (TF 5004)
ECTS: 3 3 h/w theory ; 3 h/w practice Period…….
Coordinatör: Nahide ONSUN

Course objective:
The objective of this course is to teach main dermatological diseases and importance of skin diseases in general medicine.Basic dermatologic knowledge aims to allow students to develop a general view of skin diseases.It provides to recognize and management of common skin diseases in everyday pratice and management of patients.

Course Contents:
Anatomy and physiology of skin and its addendum,elemantary lesions of skin diseases, infections of skin (bacterial,viral,fungal,parasitic) inflammatory skin diseases (psoriasis, atopic eczema,irritant and allergic contact dermatitis,rosacea,acne,urticaria and Behçet's disease) and vesiculobullous diseases (pemphigus and its subtypes,bullous pemphigoid,congenital and acquired epidermolysis bullosa,dermatitis herpetiformis,childhood bullous dermatitis,bullous drug reactions), pigmentation disorders such as skin diseases with hyperpigmentation (phototoxic dermatitis,melasma) and with hypopigmentation like vitiligo, and systemic diseases with pigmentation disorders.Skin tumors ; precancerous skin lesions (actinic keratosis,Bowen's disease) , non-melanona skin cancers (basal cell carcinoma,squamous cell carcinoma) and cutaneous melanoma.Venereal diseases ; syphilis,ulcus molle,lymphogranuloma venereum,skin lesions of HIV infection and other sexually transmitted diseases.

Form of tuition:
Lectures , tutorials, self-study.

Entry requirements:

Histology and Embryology

Cell and Tissue I(*TF1000/**TF1001)		
ECTS:9	14h/w theory; 2h/w practice	Period: Year around
Coordinator: Prof. Mukaddes Esrefoglu; M.D.		
Course objective: The objective of this course is providing detailed information about the light and electron microscopic features of the cells, cell proliferation by mitosis and meiosis. Course content: Tissue processing, light and electron microscopic techniques, plasma membrane, membranous organelles, filamentous organelles, inclusions, nucleus, nucleolus, mitosis, meiosis. Form of tuition: Lectures, tutorials, laboratory and self-study		
Cell and Tissue II(*TF1000/**TF1002)		
ECTS:9	14h/w theory; 4h/w practice	Period: Year around
Coordinator: Prof. Mukaddes Esrefoglu; M.D.		
Course objective: The objective of this course is providing detailed information about the light and electron microscopic features of the tissues. Course content: Epithelium tissue, connective tissue, cartilage tissue and bone tissue. Form of tuition: Lectures, tutorials, laboratory and self-study		
Cell and Tissue III(*TF1000/**TF1003)		
ECTS:9	15h/w theory; 5h/w practice	Period: Year around
Coordinator: Prof. Mukaddes Esrefoglu; M.D.		
Course objective: The objective of this course is providing information about human development. Course content:		

Gametogenesis (oogenesis, spermatogenesis), fertilization, implantation, bilaminar germ disc period, trilaminar germ disc period, embryonic period, fetal period, embryonic membranes, congenital defects

Form of tuition:
Lectures, tutorials, self-study

Cell and Tissue II(*TF1000/**TF1004)		
ECTS:9	9h/w theory; 2h/w practice	Period: Year around

Course objective:
The objective of this course is providing detailed information about the light and electron microscopic features of the tissues.

Course content:
Muscle tissue, nerve tissue

Form of tuition:
Lectures, tutorials, laboratory and self-study

Circulatory, Blood and Respiratory System(*TF2000/**TF2001)		
ECTS:13	15h/w theory; 6h/w practice	Period: Year around

Coordinator: Prof. Mukaddes Esrefoglu; M.D.

Course objective:
The objective of this course is providing detailed information about the histological features of the organs within circulatory, respiratory and lymphoid systems, light and electron microscopic features of blood cells, development of circulatory and respiratory systems, hematopoiesis

Course content:
Histological features of blood cells, heart, vessels, nasal cavity, larynx, trachea, and lungs, lymph nodes, thymus, and spleen, development of these systems and hematopoiesis

Form of tuition:
Lectures, tutorials, laboratory and self-study

Gastrointestinal system and metabolism (*TF2000/**TF2002)		
ECTS:10	13h/w theory; 4h/w practice	Period: Year around

Coordinator: Prof. Mukaddes Esrefoglu; M.D.

Course objective:
The objective of this course is providing detailed information about the histological features of the organs within gastrointestinal system and the development of gastrointestinal system

Course content:
Histological features of oral cavity, teeth, soft and hard palate, pharynx, esophagus, stomach, small and large intestines, liver, gall bladder and pancreas, development of the system

Form of tuition:
Lectures, tutorials, laboratory and self-study

Nervous System (*TF2000/**TF2003)	
ECTS:11	14h/w theory; 4h/w practice Period: Year around

Coordinator: Prof. Mukaddes Esrefoglu; M.D

Course objective:
The objective of this course is providing detailed information about the histological features of the organs within nervous system and the development of nervous system

Course content:
Histological features of spinal cord, cerebellum and cerebrum, peripheral nerves, meninx, development of the system

Form of tuition:
Lectures, tutorials, laboratory and self-study

Endocrine and Urogenital System (*TF2000/**TF2004)

ECTS:10 18h/w theory; 2h/w practice
Period: Year around

Coordinator: Prof. Mukaddes Esrefoglu; M.D.

Course objective:
The objective of this course is providing detailed information about the histological features of the organs within endocrine and urogenital systems, and the development of these systems

Course content:
Histological features of kidneys, ureters, bladder, urethra, ovary, oviduct, uterus, testis, male accessory glands, penis, pituitary and pineal glands, thyroid, parathyroid, adrenal, and the development of these systems

Form of tuition:
Lectures, tutorials, laboratory and self-study

Medical Pathology

TF 3001 Biological Basis of Diseases – I (Compulsory)/ TF 3001 Hastalıkların Biyolojik Temelleri – I

AKTS/ECTS:6

The purpose of this committee; students will learn at the end of this committee, formationmechanisms of diseases, changes in the tissues formed, microorganisms in a variety of mechanismsfor bringing about an infection, the basic principles of medical treatment of diseases, mechanisms ofaction, pharmacokinetic and pharmacodynamic interactions of drugs.

Bu kurulun amacı; Bu komitenin sonunda öğrenciler, hastalıkların oluşum mekanizmalarını, dokulardaoluşturduğu değişikleri, mikroorganizmaların çeşitli enfeksiyonları meydana getirme mekanizmalarınıve hastalıkların ilaçla tedavisinin temel ilkelerini, ilaçların etki mekanizmalarını farmakokinetik vefarmakodinamik etkileşmelerini öğrenecektir.

TF 3002 Biological Basis of Diseases II / TF 3002 Hastalıkların Biyolojik Temelleri II

Infectious and Hematological Diseases(Compulsory)/ Enfeksiyon ve Hematolojik Hastalıklar

The purpose of this committee; students will learn at the end of this committee, formation mechanisms of infection diseases and their treatment principles; basic properties of antimicrobial chemotherapeutics; antibacterial, antiviral and antiparasitic drugs and their action principles; cancer formation mechanisms, and anticancer drugs and their action mechanism. Also they would learn basic principles of hematologic diseases, anemi etiology,symptomsa and treatment, neoplastic disorders of bone marrow and lymph nodes.

Bu kurulun amacı; Bu komitenin sonunda öğrenciler, infeksiyon hastalıkların oluşum mekanizmalarını, tedavi prensiplerini, antimikrobiyal ilaçların temel özelliklerini, antibakteriyal, antiviral ve antiparaziter ilaçlar ve etki prensiplerini, kanser oluşum mekanizmalarını, kanser ilaçları ve etki mekanizmalarını öğrenecektir. Ayrıca hematolojik hastalıkların temel prensiplerini, anemi etiyolojisi ve tedavisi kemik iliğinin ve lenf nodunun neoplastik lezyonlarını da öğreneceklerdir.

TF 3003 Cardiovascular and Respiratory System Diseases (Compulsory)

TF 3003 Dolaşım ve Solunum Sistemi Hastalıkları
AKTS/ECTS:8

The purpose of this committee; students will learn at the end of this committee,, tuberculosis and their treatment, in children and adults respiratory and cardiovascular diseases otorhinolaryngological diseases, respiratory tract management, pathological properties of respiratory, cardiovascular and otorhinolaryngological diseases, sympathetic and parasympathetic and other cardiopulmonary system drugs, harmful effect of smoking.

Bu kurulun amacı; bu kurulun sonunda öğrenciler, tüberküloz ve tedavileri, çocuk ve erişkinlerde göğüs, kardiyoloji ve kulak burun boğaz hastalıklarını, solunum yolunun idaresi; solunum, kardiyovasküler ve kulak burun boğaz hastalıklarının patolojik özellikleri, sempatik parasempatik ve diğer solunum dolaşım sistemi ilaçlarını, sigara ve zararlarını öğrenecektir.

TF 3004 Gastrointestinal System Diseases (Compulsory) / Gastrointestinal Sistem Hastalıkları

AKTS/ECTS:9

The purpose of this committee; to teach general symptoms and signs of gastrointestinal tract diseases and their pathophysiology, scanning methods, medical and surgical treatment options. The students will learn some practical applications about these issues.

Bu kurulun amacı; gastrointestinal sistem hastalıklarının genel semptom ve bulgularının, genetik temellerinin, görüntülenme yöntemlerinin, medikal ve cerrahi tedavi seçeneklerinin öğretilmesidir.

TF3005 Endocrine and Genitorinary System Diseases	Compulsory	AKTS/ECTS:9

TF3005 Endokrin ve Genitoüriner Sistem Hastalıkları

The Purpose of this committee;
to teach general symptoms and signs of andocrine and genitorinary system diseases and their pathophysiology, scanning methods, medical and surgical treatment options.

Bu kurulum amacı;
Endokrin ve Genitoüriner sistem hastalıklarının genel semptom ve bulgularının, genetik temellerinin, görüntüleme yöntemlerinin, medikal ve cerrahi tedavi seçeneklerinin öğretilmesi.

TH3006 The Neuromusculoskeletal System and Pyschiatric Diseases	Compulsory	AKTS/ECTS:8

TH3006 Sinir-Kas İskelet Sistemi ve Psikiyatrik Hastalıklar

The Purpose of this committee;
To teeach general symptoms and signs of the neuromusculoskeletal system diseases and their pathophysiology, scanning methodsi medical and surgical treatment options. Also to teacs psychiatric disorders, treatment and clinical features of the psychiatric diseases.

Bu kurulum amacı; Sinir –kas iskelet sistemi hastalıkların genel semptom ve bulgularının, patafiyolojisinin, genetik temellerinin, görüntüleme yöntemlerinin, medikal ve cerrahi tedavi seçeneklerinin öğretilmesidir. Ayrıca psikiarik hastalıklar, klinik ve farmakolojik özeliklerin de anlatılması hedeflenmektedir.		
TF3007 Public Healthi Family Medicine, Emergency Care and Forensic Medicine, Medical Ethics	Compulsory	AKTS/ECTS:9
TF3007 Halk Sağlığı,Aile Hekimliği, Acil ve İlk Yardım, Adli Tıp ve Tıp Etiği		
The Purpose of this committee; To teach health and disease concept, public health, basic health, basic health services, infection diseases, epidemiology and control methods, maternal and child health, aging and problems in the elderly, the physician legal responsibilities, medical ethic and deontologyi emergency and first aid, family medicine forensic medicine principles.		
Bu kurulum amacı; Sağlık ve Hastalık kavramları, temel sağlık hizmetleri, bulaşıcı hastalıkların epidemiyolojisi ve savaş yöntemleri, ana-çocuk sağlığı, yaşlılık ve sorunları, iş sağlığı gibi halk sağlığına ilişkin kavramları, aile hekimliği, adli tıp, acil ve ilk yardım, tıp etiği ve deontoloji prensiplerini hekimin yasal sorumluluklarını öğretmektir.		
TF3008 Medical Skill Training	Elective	AKTS/ECTS:4
TF3008 Tıbbi Beceri Eğitimi		
The Purpose of this committee; To teach commonly used in the practice of medicine and applications that required manual dexterity.		
Bu kurulum amacı; Hekimlik pratiğinde sık kullanılan ve beceri gerektiren uygulamaların öğretilmesidir.		

Ophtalmology/5th Class Clerkships

10h/w theory ; 10h/w practice
Head of Ophthalmology Department and coordinator: Kemal Tuncer MD, Professor of Ophthalmology Residency, Medical Student and Fellowship Programme of Ophthalmology Department : Ozgur Artunay ,MD, *Associate Professor* of Ophthalmology
Clerkship aims and learning outcomes Course Objective : To teach the diagnosis and differential diagnosis of the major ocular diseases andthe treatment of eye disease. Clerkship content/ learning outcomes: This elective is designed to meet the educational needs of all medical students regardless of ultimatechoice of specialty. The rotation is suitable as an introduction to ophthalmology or as an advanced course for a student planning a career in ophthalmology. In addition to attending daily didactic conferences, the student will engage in clinical activities under the supervision of ophthalmology residents. The extent of participation in patient care is determined by the skill level, motivation and initiative of the student. Emphasis is placed on the ability to perform a good general eye exam in order to detect common abnormalities of the eye and visual system. Students will develop and refineskills in the use of the penlight, ophthalmoscope and slit lamp. Students will also have ample opportunity to observe a variety of ophthalmic surgical and laser procedures. Weekly lectures covering eye anatomy, the ophthalmologic examination and the pathophysiology and management of common ophthalmologic diseases. Form of Tuition : Lectures, Observation of live surgery, video, case presentations, bed-side teaching. Curriculum for the Ophthalmology 1. Anatomy- Phvsiology 2. Refractive Errors 3. Methods of Examination 4. Strabismus 5. Orbital Diseases 6. Retina-Vitreous Diseases 7. Lacrimal Diseases 8. Ophthalmic Lasers 9. Conjunctival Diseases

10. Contact Lenses
11. Lens Diseases and Cataracts
12.Corneal Diseases
13. Macular Diseases
14. Retinal Vascular Diseases
15. Optic Nerver Diseases
16. Lid Disorders
17. Nystagmus
18. Tumors of the eye
19. Retinal Detachment
20. Refractive Surgery
21. Glaucoma (Primary Open Angle Glaucoma)
22. Uveal Diseases
23. Glaucoma II (Congenital Glaucoma)
24. Red Eye
25. Acute Glaucoma

Orthopedics and Traumatology

Program content	Basic Topics Related to Orthopedics and Traumatology
Course aims	To teach Approach to the Ortopedics and Traumatology Patients
Learning outcomes	To Learn Prompt Diagnosis and Basic Treatment Ways of Orthopedics and Traumatology
Teaching methods and strategies	Lectures and clinical workshops (polyclinics and ward), case presentations

Workshops and case discussions
Each lecturer is responsible

Semimar and topics

1. Introduction to orthopaedics and traumatology
2. Approach to the trauma patient
3. Classification of fractures
4. Complications of fractures and dislocations
5. Fracture healing
6. Physical examination of the knee
7. Injuries of the knee and sports traumatology
8. Physical examination of the pediatric patients
9. Pediatric fractures
10. Developmental hip dysplasia
11. Osteochondroses
12. Physical examination of the upper extremity
13. Physical examination of the hip
14. Fractures of the proximal femur
15. Injuries of the wrist and hand
16. Benign bone lesions
17. Malignant bone tumors
18. Metabolic bone diseases
19. Rotator cuff tears and shoulder instabilities
20. Open fractures
21. Injuries around the shoulder and elbow
22. Orthopaedic care in rhematologic patients
23. Bone and joint infections
24. Pelvis fractures and traumatic hip dislocations
25. Connective tissue diseases
26. Adolescent kyphosis
27. Fractures of spine
28. Scoliosis
29. Cast application practice
30. Spondylolisthesis and congenital spinal disorders
32. Physical examination of the foot and ankle
33. Foot and ankle diseases
34. Entrapment neuropathies
35. Degenerative joint diseases
36. Congenital club foot

Physical Medicine and Rehabilitation

Physical Medicine and Rehabilitation (TF 5006)		
ECTS:3	1h/w theory; 1 h/w practical	Period to be announced
Coordinator: Prof. Dr. Mustafa Güler, M.D. Head of Department Instructors: Mustafa Güler,Professor, M.D.; Teoman Aydın, Professor, M.D.; Nihal Özaras, Associate Professor, M.D.; Aylin Rezvani, Assistant Professor, M.D.; Saliha Eroğlu Demir, Associate Professor, M.D.		
Course objectives: By the end of the rotation the clinical clerk should be able to:		

Describe the definition of physical medicine and rehabilitation concepts;

- ✓ Demonstrate fundamental proficiency in the basic sciences underlying the normal and altered structure and function of the neuromusculoskeletal and closely related systems;
- ✓ State the epidemiology, pathology, clinical features, diagnostic criteria, medical treatments, rehabilitation approach and prognosis of selected specific neurological and musculoskeletal diseases.
- ✓ Have knowledge, experience and application of medical treatments, physical therapy modalities, therapeutic exercises, principles of rehabilitation in orthopedic, neurological and rheumatologic disorders, balneotherapy and complementary medicine.
- ✓ Assess a patient's functional limitations. Describe the definition dysfunction, disability and handicap; Perform a physical examination, particularly a basic examination of musculoskeletal and neurological systems, and recognize functional problems;
- ✓ Assess patients in determining the underlying diagnosis, choose appropriate investigations for diagnosing and monitoring patients with selected neurological and musculoskeletal disorders; Identify quality of life of both healthy individuals and patients ;
- ✓ Be aware of the care needs of the disabled population;
- ✓ Indicate which patients might benefit from a referral to a physiatrist;
- ✓ Prescribe or arrange drugs, modalities and interventions for the treatment of acute or chronic neuromusculoskeletal pain and disability.

Course contents:

Physical Medicine and Rehabilitation Definitions and Aims, Physical Examination of the Musculoskeletal and Neurological Systems, Laboratory findings and diagnostic imaging, Medical treatments in musculoskeletal, neurological and rheumatic diseases, Physical therapy modalities, Exercise therapy, Balneotherapy, Joint aspiration and intraarticular injections, Complementary and alternative medicine, Rheumatoid arthritis and Juvenile rheumatoid arthritis, Connective tissue diseases (SLE, vasculitis), Extraarticular rheumatic diseases (Fibromyalgia etc.), Degenerative Joints Diseases, Low-back, hip, knee and ankle-foot pain, Neck, shoulder, arm and wrist pain, Monoarthritis and polyarthritis, Reactive arthritis and Acute Rheumatic Fever, Spondyloarthritis, Peripheral neuropathies, Metabolic and endocrine bone diseases, Gut and pseudogut, Strokes (Hemiplegia) and rehabilitation, Paraplegia and rehabilitation, Cerebral palsy (CP) and rehabilitation

Form of Tuition:
Lectures; case presentations; teaching in the inpatient and outpatient rehabilitation clinics; multidisciplinary meetings

Entry requirements:
Year I, II, III and IV standing

Physiology

Physiolog I		
ECTS :	25 h/year theory, 4 h/year practice	Period : october-june

Coordinator : Ismail Meral, PhD

Course objective :
The aim of the programme is to provide basic knowledge and skills in cell and muscle physiology . The oblective of this course is to acquire knowledge and skills on cell and muscle systems of physiology, develop the ability to follow new information in physiology, and acquire ability to use scientific methods in candidates' profession.

Course contents :
Functional organization of the human body, homeostatis, the cell and its functions, transport of substances through the cell membrane, membrane and action potentials, signal transduction, osmotic fragility, muscular system functions,skeletal muscle, neuromuscular junction, energy for muscle contractions, smooth muscle, cardiac muscle and electromyography (EMG).

Form of tuition :
Lectures, laboratory and self-study

Entry requirements:
None

Physiolog II		
ECTS :	25 h/year theory, 4 h/year practice	Period : october-june

Coordinator : Ismail Meral, PhD

Course Objective:
The aim of the programme is to provide basic knowledge and skills in cardiovascular, respiratory, digestive, neuro, endocrine and renal physiology. The objective of this course is to acquire knowledge and skills on many systems of pysiology, develop the ability to follow ew imformation in physiology, and acquire ability to use scientific methods in candidates' profession.

Course Contents:
Red blood cells (erythrocytes), anemias, polycythemia, leukocytes (White blood cells) immunity and allergy, blood types and transfusion, hemostasis and blood coagulation, action potentials in cardiac muscle, the cardiac cycle, the heart sounds, regulation of heart pumping, conductive system of the heart, electrocardiogram, vectorial analysis of the circulation, systolic and diastolic blood pressures, the microcirculation and the lymphatic system, local and humoral control of blood flow by the tissues, nervous regulation of the circulation, renal system for arterial pressure control, cardiac output, venous return and theire regulation, coronary circulation, cardiac failure, circulatory shock, pulmonary ventilation, pulmonary volumes and capacities, alveolar ventilation, pulmonary circulatory system, physical, principles of gas exchange through the respiratory membrane, transport of oxygen and carbon dioxide in blood and tissue fluids, regulation of respiration, respiratory insufficiency,sports physiology, overview of the gastrointestinal system, motility of the gastrointestinal tract and its regulation, secretion and its regulation in the gastrointestinal tract, digestion and absorption, nutrition and metabolismi body temperature regulation, chemical structure and synthesis of hormones, mechanisms of action of hormones, hypothalamus and pituitary hormones, thyrpid hormones, adrenal hormones, pancreas hormones, calcium and phosphate metabolism, male and female physiology and sex hormones, pregnancy and lactation, functions of the kidneys, micturition, glomerular filtration, physiologic control of glomerular filtration and renal blood flow, reabsorption and secretion by the renal tubules, regulation of extracellular fluid osmolarity and sodium concentration, renal regulation of potassium, calcium, phosphate, and magnesium, precision of blood volüme and extracellular fluid volüme regulation, regulation of acid-base balance, kidney diseases and diuretics, general desing of the nervous system, types of synapses, synaptic transmitters, types of sensory receptory, receptor potentials, somatic sensations and pain, the special senses (vision, hearing, test and smell), motor functions of the spinal cord, cerebellum and basal ganglia, cerebral cortex, learning and memory, the limbic system and the hypothalamus, sleep, brain waves, epilepsy, psychoses, autonomic nervous system, cerebral blood flow, cerebrospinal fluid, and brain metabolism.

Form of tuition:
Lectures,laboratory and self-study

Entry requirements:
Physiology I

Plastic, Reconstructive and Aesthetic Surgery

Plastic, Reconstructive and Aesthetic Surgery (TF 5015)		
ECTS:3	Duration : 1 w theory/ 1 w practice	Period : year around
Coordinator : Ethem GÜNEREN MD, Prof.Dr. Head of Section		

Course objective :
The objecrive of this short rotation period as a course in plastic, reconstructive and aesthetic surgery, and hand surgery and oral maxillofacial surgery is to give to the participants the basic /essential/ knowledge of this area as a true diagnostic approach and to be a guidance fort he cases, since a general practitioner can not be operate them.

Course contents :
In the first week : basic principles of wound healing, acute burn care and burn contracture theatment, skin grafting, flaps, hand surgery updates, oral and maxillofacial surgery basic subjects, facial fractures , surgical site infections, congenital anomalies , cleft lip and palate and vascular anomalies, microsurgery are given in a lecture format to the participants.
Second week: clinical application of this area is demonstrated small groups of participants are allowed to enter the operation theatre, outpatient facilities and service departments, ground rounds are done Daily mornings.

From of tuition :
Lectures, Tutorials, observations and ground rounds

Entry requirements

Radiology TF 5016/ Fifth year

ECTS: 3	1h/w theory	1h/w practical
Period: Year around		
Coordinator: -------- ----------, MD		

Course objective:
Providing a basic understanding of the radiology including system based radiologic anatomy, basic techniques used in imaging such as direct x ray, ultrasonography, computerized tomography, magnetic resonance imaging, conventional and advanced angiographic applications, mammography, imaging under fluoroscopy and interventional diagnostic and therapeutic techniques and basic radiology-pathology correlation in common diseases

Course contents:
A short review of abdominal imaging, neuroimaging (brain, head and neck, spine), musculoskeletal imaging (spine, bone, joints, soft tissue), cardiothoracic imaging (cardiac, thoracic), interventional radiology (neuron interventional, abdominal interventional), conventional fluoroscopic imaging, risk of contrast agents and radiation risk and prevention

Form of tuition:
Lectures, tutorials and self-study

Entry requirements:
None