

**UNIVERSITY OF GAZIANTEP FACULTY OF MEDICINE SEMESTER I,
PROGRAMS OF COMMITTEES**

TF 100 SEMESTER I COMMITTEES AND HOURS

BASIC MEDICAL SCIENCES COMMITTEE I (6 weeks)

Course	Theoretical	Practice	Total
Biostatistics	9		9
Biophysics	8		8
Biochemistry	33	8	41
Medical Biology and Genetics	28		28
Good Physician Applications	5		5
Faculty of Medicine Orientation Activities	10		10
TDP 100 Social Sensibility Projects	6	12	18
Optional Subject I	6		6
Optional Subject II	6		6
TÜRK 110 Turkish Language			
AİIT 110 Atatürk's Principles and the History of Turkish Revolution			
Total	111	20	131

BASIC MEDICAL SCIENCES COMMITTEE II (7 weeks)

Course	Theoretical	Practice	Total
Biostatistics	9		9
Biophysics	10		10
Biochemistry	14	2	16
Behavioral Sciences	10		10
Medical Biology and Genetics	36	4	40
Good Physician Applications	6		6
TDP 100 Social Sensibility Projects	7	14	21
Optional Subject I	7		7
Optional Subject II	7		7
TÜRK 110 Turkish Language			
AİIT 110 Atatürk's Principles and the History of Turkish Revolution			
Total	109	20	129

BASIC MEDICAL SCIENCES COMMITTEE III (7 weeks)

Course	Theoretical	Practice	Total
Biochemistry	14	2	16
Behavioral Sciences	10		10
Histology Embryology	15	8	23
Microbiology	26	1	27
Medical Biology and Genetics	24		24
Good Physician Applications	6		6
TDP 100 Social Sensibility Projects	7	14	21
Optional Subject I	7		7
Optional Subject II	7		7
TÜRK 110 Turkish Language			
AİIT 110 Atatürk's Principles and the History of Turkish			

Revolution			
Total	119	25	144

BASIC MEDICAL SCIENCES COMMITTEE weeks)

IV (8

Course	Theoretical	Practice	Total
Anatomy	27	22	49
Biochemistry	16	2	18
Histology Embryology	14	6	20
Medical Biology and Genetics	28		
Good Physician Applications	6		6
TDP 100 Social Sensibility Projects	8	16	24
Optional Subject I	8		8
Optional Subject II	8		8
TÜRK 110 Turkish Language			
AIIT 110 Atatürk's Principles and the History of Turkish Revolution			
Total	115	46	161

BASIC MEDICAL SCIENCES V (7 weeks)

COMMITTEE

Course	Theoretical	Practice	Total
Anatomy	25	32	57
Biochemistry	14		14
Physiology	11		11
Histology Embryology	17		17
Good Physician Applications	5		5
TDP 100 Social Sensibility Projects	7	14	21
Optional Subject I	7		7
Optional Subject II	7		7
TÜRK 110 Turkish Language			
AIIT 110 Atatürk's Principles and the History of Turkish Revolution			
Total	96	46	142

Optional Subject I

GOS 112 Basic sport applications
 GOS 118 Healthy Life and Sport
 GOS 124 Turkish Folk
 Dances GOS 123 Music

Optional Subject II

TFS 101 Philosophy
 TFS 102 Social
 Media&Communication TFS 103
 Gastronomy
 TFS 104 Diction
 TFS 105 Cinema
 TFS 106 Painting

Turkish 110 Turkish Language and AIIT Atatürk's Principle and History Lessons are will be taken by distance education term I. and II.

Semester I, Total Hours:707 , Weeks: 35

**TF 100 SEMESTER I
CONTENTS OF
COMMITTEES**

BASIC MEDICAL SCIENCES COMMITTEE I

Faculty of Medicine Orientation Activities (10 hours)	Theoretica	Practice
Faculty of Medicine of Gaziantep, from past to the future	1	1
Presentation of syllabus of Medical Faculty	1	
Student regulations, examinations, attendance, passing a course	1	
Assessment and evaluation and feedback	1	
Student exchange programs (ERASMUS; FARABI)	1	
TUS (medical residency exam), doctorate and the other exams/programs of interest for medical doctors	1	
How do I learn? How to study?	1	
Introduction to the good physician application program	1	
Presentation of social sensibilities projects	1	
Medic; before 35 years and now (talk)	1	
 Biostatistics (9 hours)	 Theoretical	 Practice
Scientific method and statistics	1	
Descriptive Statistics	2	
Tables and Graphs	1	
Theoretical Distributions: Normal distribution	2	
Sampling Distribution	1	
Hypothesis Testing	1	
Parametric and nonparametric tests	1	
 Biophysics (8)	 Theoretical	 Practice
Introduction to biophysics	2	
Biomechanics	2	
Interactions in Biomolecular Systems	1	
Flexibility Concept and Elasticity	2	
Hydrodynamic Approximations in Biophysics	1	
 Biochemistry (33+8)	 Theoretic	 Practice
Biochemistry-organic chemistry relationship and organic bonds	2	
Organic functional groups	2	
Laboratory equipment and safety		2
The definition and scope of biochemistry	1	
Solutions	2	2
Acids-bases and pH concept	2	
Bioenergetic and oxidative phosphorylation	3	
Introduction to metabolism	1	
Carbohydrate chemistry	3	
Water metabolism	2	
Lipid chemistry	3	
Amino acids and proteins chemistry	4	
Enzymes	6	2
Hemoglobin, myoglobin	2	
LAB – Buffers and titration	-	2

Medical Biology and Genetics (28)

Cell, Cell Organelles, Nucleus
Membrane Structure and Cellular Trafficking
Cellular Junction and Extracellular Matrix
Cell division, mitosis and meiosis, Cell cycle, cell death
Cellular Metabolism,
Molecular Thermodynamics and Bioenergetics

Theoretical Practice

4
2
2
6
8
6

Good Physician Applications (5)

Philosophy of Science and Medical Education
Access to and usage of data
Methods of Learning and Interactive Education
Non-medical applications and the approach of the physician
Alternative Medicine

Theoretical Practice

1
1
1
1
1

BASIC MEDICAL SCIENCES COMMITTEE II

Biostatistics (9 hours)	Theoretical	Practice
Testing hypotheses about the population mean	1	
Testing hypotheses about the population proportion	1	
Testing a hypotheses about two independent means	2	
Testing a hypotheses about two independent proportions	1	
Comparison of more than two independent groups	2	
Comparison of two dependent groups	2	
Biophysics (10)	Theoretical	Practice
Thermodynamics and Energetics of Biological Systems – I	2	
Thermodynamics and Energetics of Biological Systems – II	2	
Fundamentals of Cell Biophysics	2	
Molecular Biophysical Methods	2	
Data Capturing and Processing in Biological Systems	2	
Biochemistry (14+2)	Theoretic	Practice
Digestion and absorption of carbohydrates	2	
Glycolysis	2	
Pyruvate metabolism and Krebs cycle	1	
Metabolism of monosaccharides	2	
Glycogen metabolism	2	
Glyconeogenesis	1	
Pentose phosphate pathway	2	
Hormonal Control	2	
LAB – Carbohydrates	-	2
Behavioral Science (10)	Theoretical	Practice
Mental Development and Theories of Psychopathology	4	
Genetics of Behavioral Disorders	1	
Neurochemistry of Behavior	1	
Pharmacology of Behaviour	1	
Psychopsyhiology	1	
Child, Mother and Family	2	
Medical Biology and Genetics (36+4)	Theoretical	Practice
Characteristics of Genetic Material, DNA structure and Chromosomes	4	
RNA structure and types, RNA synthesis and RNA processing	4	
Mutations and Repair	4	
Homologus and nonhomologus Recombinations	2	
Protein synthesis, regulation of protein synthesis	6	
Bacteria, Bacterial Genetics	6	
Viruses, Viral Genetics	4	
Molecular Techniques	2	
Recombinant DNA Technology	2	
Medical applications of Recombinant DNA Technology and Gene Therapv	2	
Medical biology laboratory		4

Good Physician Applications (6)

Principles of healthy life

Theoretical Practice

2

Physician occupational risks

1

Hand washing, antiseptics, wearing sterile gloves and putting on mask

1

Oral hygiene

1

Basic life support (airway, respiratory support, and cardiac massage)

1

BASIC MEDICAL SCIENCES COMMITTEE III

Biochemistry (14+2)	Theoretic	Practice
Absorption and digestion of lipids	1	
Oxidation of lipids	2	
Synthesis of fatty acids	1	
Synthesis and catabolism of triglycerides	2	
Synthesis and catabolism of cholesterol	2	
Metabolism of lipoproteins	2	
PGs and ketone bodies	2	
Bile acids	1	
Phospholipids and glycolipids	1	
LAB – Lipids		2
Behavioral Science (10)	Theoretical	Practice
Clinical interviewing and mental examination	1	
Clinical syndromes and psychopathology	4	
Psychopathology at Childhood and Adolescence	3	
Communication and Principles of Medical Interviewing	1	
Patient and Physician Relationship	1	
Histology and Embryology (15+8)	Lectures	Practices
Introduction to Histology and Embryology	1	
Examination Methods in Histology	1	
Histotechnology	2	2
Electron Microscopy Techniques	1	
How to use Microscope?		2
Histology of Lining and Glandular Epithelia	5	2
Connective Tissue, Its Types and Adipose Tissue	5	2
Microbiology (26+1)	Theoretical	Practice
Introduction to microbiology, Structure of microorganisms	2	
Bacterial metabolism, Bacterial toxins and enzymes	2	
Bacterial genetics	2	
Tools and equipment in a microbiology laboratory	-	1
Normal microbial flora	1	
Virulence and pathogenicity	2	
Sterilization and disinfection	2	
Cells and organs of the immune system	2	
Host-microbial relationships	1	
Innate immunity	1	
Antigens and antibodies	1	
Antigen-antibody reactions	1	
Immune response	2	
Humoral and cellular immunity	2	
Immunity to infections	1	
The complement system	1	
Coombs tests and blood transfusion	1	
Allergy and hypersensitivity	2	

Medical Biology and Genetics (24)

	Theoretical	Practice
Morphological Properties of Chromosomes	2	
Chromosomal Disorders	2	
Mendelian Genetics	4	
Quantitative Traits, Multiple Genes and Twin Studies and Pedigree Analysis	2	
Autosomal Dominant and Recessive Inheritance	2	
X-and Y-linked Inheritance	2	
Multifactorial Inheritance	2	
Mitochondrial Inheritance	2	
Population Genetics	2	
Cytogenetical Analysis Techniques	3	
Molecular Cytogenetic Methods	1	

Good Physician Applications (6)

	Theoretical	Practice
Intervention in electrical shock and drown	1	
Respiratory tract foreign body extraction maneuvers	1	
Family medicine and stepped health system	1	
How to combat cigarette addiction	1	
How to combat alcohol and drug addiction	1	
Right to information and informed consent	1	

BASIC MEDICAL SCIENCES COMMITTEE IV

Anatomy (27+22)	Lecture	Practice
Introduction to Human Anatomy	1	
Anatomical Terminology	1	
Bones: General Considerations	1	
Joints: General Considerations	2	
Skeleton of Upper Limb	2	2
Joints of the Upper Limb	2	2
Vertebral Column, Ribs and Sternum	2	2
Joints of Vertebral Column	1	2
Muscles: General Consideration	1	
Introduction to Nervous System	1	
The Back and Superficial Muscles of the Back	1	2
Posterior Aspect of the Shoulder and Arm	1	2
Anterior Aspect of the Shoulder and Arm	2	2
The Mammary Glands	1	
Axilla and Brachial Plexus	2	2
The Flexor Aspect of the Forearm and Fossa Cubiti	2	2
The Extensor Aspect of the Forearm	2	2
Anatomy of the Hand	2	2
Biochemistry (16+2)	Theoretic	Practice
Digestion of proteins / catabolism of protein	2	
Synthesis of nonessential amino acids	2	
Catabolism of nitrogen of amino acid	2	
Catabolism of carbon skeleton of amino acids	2	
Conversion of amino acids into special products	2	
Hormonal control of amino acid metabolism	1	
Amino acid metabolism disorders	2	
Structure and metabolism of nucleic acids	3	
LAB – Proteins		2
Histology and Embryology (14+6)	Lectures	Practices
Histology of the Nerve Tissue	5	2
Histology of the Cartilage	2	
Histology of the Bone	3	
Osteogenesis	1	
Histology of the Cartilage and Bone LAB		2
Histology of the Muscle Tissue	3	2
Medical Biology and Genetics(28)	Lectures	Practices
Epigenetics	2	
Molecular Basis of Cancer Cell Growth	4	
Growth Factors and Oncogenes	4	
Ligands and Receptors, Their Disorders and Cancer Development	2	
Immunology and General Concepts of Immunity	8	
Immunogenetics, and Tumor Immunogenetics	4	
Modern Genome Analysis and Bioinformatics	4	

Good Physician Applications (6)

Empathy

Medicine and art

Physician identity and respect for life

Relationships with the colleagues and the personnel

Social responsibilities of the physician

Theoretical Practice**1****2****1****1****1**

BASIC MEDICAL SCIENCES COMMITTEE V

Anatomy (25+32)	Lecture	Practice
Skeleton of Lower Limb	2	2
Joints of the Lower Limb	2	2
The Lumbosacral Plexus	1	1
Gluteal Region	1	1
The Anterior and Medial Aspects of the Thigh	2	2
Lateral and Posterior Aspect of the Thigh, Popliteal Fossa	1	2
Lateral and Anterior Aspects of The Leg	1	2
Posterior Aspect of the Leg	1	2
Anatomy of the Foot	1	2
The skull – individual cranial bones	4	4
The Skull and The Temporomandibular Joint	2	2
The Suboccipital Region and Deep Muscles of the Back	1	2
Face and Scalp	1	2
The Parotid Region	1	2
Temporal Region and Muscles of Mastication	1	2
The Infratemporal and Pterygopalatine Fossae	1	2
Sectional Anatomy	1	
Discussion: Anatomy	1	

Biochemistry (14)	Theoretic	Practice
Vitamins	3	
Free radicals and antioxidant systems	1	
Membrane structure and transport systems	2	
Trace elements	2	
Extracellular matrix	2	
Muscle biochemistry	2	
Metabolism of neurotransmitters	2	

Fizyoloji (11)	Theoretic	Practice
Introduction to Physiology, Homeostasis	1	
Body Fluid Compartments and the distribution of water in body	1	
Cell physiology	1	
Action potential, synapse, receptors	2	
Nerve-muscle junction and relationship between excitation and contraction, the second messengers	4	
Skeletal, smooth and cardiac muscle	2	

Histology and Embryology (17)	Lectures	Practices
Introduction to the Human Embryology	1	
Spermatogonium and Spermatogenesis	1	
Ovum and Oogenesis	1	
Ovulation and corpus luteum	2	
Fertilization, Cleavage and Formation of Blastocyst	2	
Implantation and Formation of Bilaminar Germ Disc	2	
Gastrulation, Formation of Trilaminar Germ Disc and Neurulation	2	
Embryonal Period	1	
Fetal Period	1	
Extraembryonic Formations	2	

Congenital Malformations

2

Good Physician Applications (5)

Physician faults and malpractice

Theoretical Practice

2

Quality in health care

1

Relationships between the physician and industry

1

Clinical ethics, ethics committees

1

**UNIVERSITY OF GAZIANTEP FACULTY OF
MEDICINE SEMESTER II, PROGRAMS OF
COMMITTEES**

TF 200 SEMESTER II COMMITTEES AND HOURS

CIRCULATORY AND HEMOPOETIC SYSTEMS COMMITTEE (6 weeks)

Course	Theoretical	Practice	Total
Anatomy	10	4	14
Biophysics	4		4
Biochemistry	20		20
Physiology	33	32	65
Histology Embryology	18	6	24
Microbiology	20	2	22
Module 1	2		2
TFYD 200 English	12		12
Total	119	44	163

RESPIRATORY SYSTEM COMMITTEE (4 weeks)

Course	Theoretical	Practice	Total
Anatomy	12	12	24
Biophysics	16		16
Physiology	12	2	14
Histology Embryology	7	2	9
Microbiology	16	3	19
Module 2	2		2
TFYD 200 English	8		8
Total	73	19	92

DIGESTIVE AND METABOLISM SYSTEMS COMMITTEE (7 weeks)

Course	Theoretical	Practice	Total
Anatomy	20	19	39
Biochemistry	27		27
Physiology	19	2	21
Histology Embryology	12	8	20
Microbiology	28	4	32
Module 3	2		2
TFYD 200 English	12		12
Total	120	33	153

NERVOUS SYSTEM COMMITTEE(8 weeks)

Course	Theoretical	Practice	Total
Anatomy	49	26	75
Biophysics	22		22
Physiology	37	14	51
Histology Embryology	21	4	25
Microbiology	15		15
Module 4	2		2
TFYD 200 English	16		16
Total	162	44	206

ENDOCRIN AND UROGENITAL SYSTEMS COMMITTEE (6 weeks)

Course	Theoretical	Practice	Total
Anatomy	13	11	24
Biochemistry	20	2	22
Physiology	37		37
Histology Embryology	24	8	32
Microbiology	26	3	29
Module 5	2		2
TFYD 200 English	12		12
Total	134	24	158

CELL AND TISSUE COMMITTEE COURSE DESCRIPTIONS**(4 weeks)**

Course	Theoretical	Practice	Total
Allergy Immunology	4		4
Microbiology	10	1	11
Pharmacology	19		19
Pathology	31	4	35
Medical Biology and Genetics	8		8
Module 6	2		2
TFYD 200 English	6		6
Total	80	5	85

Semester II, Total Hours:857 , Weeks: 35

**TF 200 SEMESTER II
CONTENTS OF
COMMITTEES**

CIRCULATORY AND HEMOPOETIC	COMMITTEE	
Anatomy (10+4)	Lecture	Practice
The Thoracic Wall	2	2
The Heart and the Pericardium	2	2
The Mediastinum, and the posterior Mediastinum	2	
Lymphatic System	1	
The Great Vessels	1	
Sectional Anatomy	1	
Discussion	1	
Biophysics (4)	Lecture	Practice
Dynamics of Circulation	2	
Fluid Mechanics	2	
Biochemistry (20)	Lecture	Practice
Biochemistry of body fluids	1	
Fluid electrolyte equilibrium	2	
Acid base equilibrium	2	
Biochemistry of coagulation	2	
Erythrocyte metabolism	2	
Synthesis and structure of hemoglobin	2	
Cytokines and inflammation	2	
Cancer biochemistry	2	
Measurement methods in biochemistry	2	
Immunoglobulin ve complement	2	
Biochemical markers in heart diseases	1	
Physiology (33+32)	Theoretical	Practice
Introduction of the blood physiology	1	
Properties of the blood	1	
Regulation of production of RBC	2	
Types of anemia and polycythemia	2	
Regulation and functions of the production of leukocyte	2	
Leukocytosis and leukopenia	1	
Blood groups and transfusion	1	
Development of the immune system, humoral and cellular immunity	2	
Lymphokines, cytokines,	1	
Hemostatic and fibrinolytic	2	
system Laboratory safety, blood		2
Calculation of erythrocyte		2
Calculation of leukocyte		2
Measurement of Hemoglobin		2
Measurement of Hematocrit		2
Sedimentation		2
Bleeding, coagulation time		2
Peripheral blood smear		2
Osmotic fragility		2
Determination of blood group		2
Leukocyte formula		2
Physiology of heart muscle, heart circulation, and function of pump	2	

Heart sounds	1	2
Electrocardiogram(ECG)	2	
Stimulation of the heart, vectorial analysis, arrhythmias, and electrocardiographic interpretation	2	6
Pressure changes in the heart	1	
Fundamentals of hemodynamic	2	
Local and systemic regulation of the circulation	2	
Physiological mechanisms in the cardiovascular diseases	2	
Blood pulse, and its regulation	2	2
Coronary circulation, cerebral circulation, and special circulation systems	2	

Histology (18+6)

	Lecture	Practice
Histology of the Blood	3	2
Hemopoiesis	2	
Development of the Circulatory System	4	
Fetal Circulation	1	
Histology of the Heart and Vessels	4	2
Lymphoid System	4	2

Microbiology (20+2)

	Lecture	Practice
Introduction to virology, classification, structure, and cultivation of viruses	2	
Adenoviruses	2	
Herpesviruses	3	
Papovaviruses, Parvovirus	2	
Paramyxovirus	2	
Orthomyxovirus	2	
Poxvirus	1	
Virus isolation, viral culture, and diagnostic methods (practical) Bacteriophages	1	1
Tumour viruses	1	
Retrovirus and AIDS	2	
Antiviral drugs and interferons	2	
Molecular tests (PCR) (practical)		1

RESPIRATORY SYSTEM COMMITTEE

Anatomy (12+12)	Lecture	Practice
Diaphragma	1	2
The Nose and the Associated Structures	2	2
Pharynx	2	2
The Lateral and Anterior Aspects of the Neck	2	
The Root of the Neck	1	2
The Trachea and the Lungs and pleura	2	2
Larynx	2	2
Physiology (12+2)	Lecture	Practice
Introduction of respiratory physiology	1	
Lung volume and capacities (Spirometry)	1	2
Lung ventilation and mechanic of respiratory system	2	
Pulmonary circulation, pulmonary edema, pleurae fluid	1	
Physical principles of gas exchange	2	
Oxygen, carbondioxide transportation and regulation	2	
Regulation of respiration	2	
Oxygen treatment, the effects of increased pressure, artificial respiration	1	
Histology (7+2)	Lecture	Practice
Development of the Face and Respiratory System	3	
Histology of the Upper Respiratory Track	2	
Histology of the Bronchial Tree and the Lung	2	2
Microbiology (16+3)	Lecture	Practice
Staphylococcus	2	
Streptococcus	2	
Serological diagnostic methods		2
(practical) Neisseria, Branhamella	1	
Moraxsella, Listeria, Erysipelothrix	1	
Corynebacterium	1	
Bacillus	1	
Mycobacterium tuberculosis	2	
Mycobacterium lepra and other mycobacteria	2	
Mycobacterial staining and culture methods (practical)		1
Actinomyces, Nocardia	1	
Legionella, Barthonella	1	
Hemophilus bacteria	1	
Bordatella	1	
Biophysics (16)	Lectures	Practices
Mechanics of Respiratory System	2	
Control Theory and Feedback in Biological Systems	2	
Modelling Physiological Systems	2	
Introduction to Radiation Biophysics	2	
Effects of Electromagnetic Fields on Live Tissues and Radiation Safety	2	
Types of Lights Used for Medical Applications	2	
Medical Imaging Methods - I	2	
Medical Imaging Methods - II	2	

DIGESTIVE AND METABOLISM SYSTEMS COMMITTEE

Anatomy (20+19)	Lecture	Practice
The mouth cavity	2	2
The Anterior Abdominal Wall and The Peritoneum, the Lesser and Greater Omenta and the Omental Bursa	2	4
The Abdominal Part of the Oesophagus and the Stomach	1	2
The Duodenum, The Jejunum and Ileum	2	2
The Large Intestines	2	2
The Liver and the Biliary Ducts	2	1
The Pancreas and the Spleen	1	1
Vessels and Nerves of the Digestive Track	2	2
The Portal System	1	
The Posterior Abdominal Wall and the Great Vessels	1	1
Sectional Anatomy	1	
Discussion	1	
Biochemistry (27)	Lecture	Practice
Metabolism in fasting and postprandial	2	
Nutrition	2	
Plasma enzymes	3	
Plasma proteins	3	
Liver function tests	2	
Pancreas and GIS hormones	2	
Biochemistry of diabetes	3	
Biochemistry of adipose tissue	2	
Lipoproteins and atherosclerosis	2	
Porphyrim metabolism	2	
Bilirubin metabolism	2	
Xenobiotic metabolism	2	
Physiology (19+2)	Lecture	Practice
Introduction of digestive physiology	2	2
The motor functions of the stomach	2	
Small Intestinal motility, motility of the colon	2	
Secretions and functions of the digestive tract	4	
Metabolic functions of the liver	2	
The innervation of the digestive system	1	
Digestion of various nutrients, gastrointestinal absorption	1	
Intestinal absorption in the small intestine & colon; the formation of feces	1	
General disorders of the gastrointestinal tract	1	
Satiety, starvation, food intake, obesity, and thermoregulation	2	
Energy balance and basal metabolic	1	
Histology (12+8)	Lecture	Practice
Development of the Digestive System	2	
Histology of the Oral Cavity	2	2
Histology of the Salivary Glands	1	
Histology of the Esophagus and the Stomach	2	2
Histology of the Small and Large Intestine, Appendix, Rectum and Anus	2	2
Histology of the Large Digestive Glands (Liver, Gall Bladder,	3	2

Pancreas)

Microbiology (28+4)	Lecture	Practice
General information about enterobacteria	1	
Bacterial culture techniques and growth media (practical)		1
Chemotherapeutics and antibiotics	2	
Interactions between antibiotics, Antibiotic susceptibility testing	2	
Escherichia	2	
Shigella	1	
Salmonella	2	
Bacterial morphology and staining methods (practical)		1
Klebsiella, Enterobacter, Citrobacter, Edwardsiella	1	
Proteus, Serratia, Hafnia, Morganella, Erwinia	1	
Vibrio, Aeromonas, Plesiomonas	1	
Helicobacter, Campylobacter	2	
Brucella	2	
Pseudomonas	1	
Identification methods of Enterobacteriaceae (practical)		1
Yersinia, Pasteurella, Francisella	2	
Antibiotic susceptibility testing (practical) Non-spore forming anaerobes	1	1
Clostridium	2	
Treponema, Borrelia, Leptospira	2	
Non-fermentative bacteria	1	
Agents of food poisoning	2	

NERVOUS SYSTEM COMMITTEE

Anatomy (49+26)	Lecture	Practice
Introduction to Nervous System	2	
Spinal Cord: General Topography and Internal Structure	2	2
Spinal Cord: Ascending Pathways	2	1
Spinal Cord: Descending Pathways	2	1
Medulla oblongata	1	1
Pons	1	1
Mesencephalon	1	1
Cerebellum	2	1
Cranial Nerves: I-VI	4	2
The Sympathetic System	2	1
The Parasympathetic System	2	
Thalamus	1	
Hypothalamus	1	
Hypophysis	1	
Epithalamus, Subthalamus; and Basal ganglia	2	
Diencephalon		2
Cerebral Hemispheres General Topography	1	2
Cerebral Hemispheres Motor and Sensory Areas	1	1
Cerebral Hemispheres Medullary Substance	1	
Brain Ventricles and Cerebrospinal Fluid	1	2
Meninges and Sinuses of the Brain	1	2
Olfactory Pathways, Rhinencephalon and Limbic System	1	
Vessels of the Central Nervous System	2	
Vessels of the Central Nervous System and basal nuclei		1
The Orbit and Its Contents	2	1
The Eyeball	2	2
The Visual Pathway	1	
The Ear	2	2
Vestibular System	1	
Auditory Pathway	1	
Central Nervous System: Afferent Pathways	2	
Central Nervous System: Efferent Pathways	2	
Sectional Anatomy	1	
Discussion	1	
Biophysics (22)	Lecture	Practice
Passive Transport, Resting Membrane Potential, and Ionic Equilibrium	3	
Action Potentials in Excitable Cells	2	
Active Membrane Transport and Action Potential	2	
Compound Action Potential	2	
Synaptic Transmission	1	
Kinetics of Muscle Contraction	2	
Sensory Signal Transmission and Processing in Biological Systems	2	
Biophysical Mechanisms of Seeing	2	
Biophysical Mechanisms of Hearing	2	
Concepts of Fundamental Biopotentials	2	
Clinically Important Biopotentials	2	

Physiology (37+14)	Lecture	Practice
Overview on neurophysiology	1	
Sensory and receptor physiology	1	
Somatic sensory system; superficial, deep and visceral sensations	1	
Pain and analgesia	1	
Physiology of taste	2	
Physiology of olfactory	1	2
Anatomical features of the eye, visual optics	2	2
Visual pathways, photoreceptors, visual field	2	2
Auditory physiology, vestibular system and sense of balance	1	
The brain motor systems, brain stem	2	
Neuromuscular conduction, reflexes	1	4
Motor cortex and the control of voluntary movements	3	
The brain stem, and reticular formation	1	
Peripheral nervous system and cranial nerves	1	
Cerebellum, and functional circuits of cerebellum	2	
Circuits of basal ganglion and transmitters	1	
The basal ganglia, connections and diseases	2	
Hypothalamus and the limbic system	2	
Brain cortex	2	
Sleep and wakefulness	1	
EEG and Epilepsy	2	2
Physiology of learning and memory	2	
CSF and blood-brain barrier	1	
The autonomic nervous system	2	
Theories of aging, brain aging and dementia		2
Other practical applications of physiology		

Histology (21+4)	Lecture	Practice
Development of the Nervous System	4	
Histology of the Central Nervous System	4	2
Histology of the Peripheral Nervous System	1	
Histology and Development of the Eye	4	
Histology and Development of the Ear	4	
Histology and Development of the Integumentary System	4	
Histology of the Eye and Integument LAB		2

Microbiology (15)	Lecture	Practice
Viral hepatitis	3	
Reoviruses, Coronaviruses	1	
Picornaviruses	2	
Arboviruses (Flavi-, Bunya, Togaviruses)	1	
Neurotrophic viruses	1	
Rhabdovirus, Marburg-Ebolavirus	2	
Rickettsiae	2	
Pneumocystis carini	1	
Chlamydia, Mycoplasma, Ureoplasma	2	

ENDOCRIN AND UROGENITAL SYSTEMS COMMITTEE

Anatomy (13+11)	Lecture	Practice
Thyroid and Parathyroid Glands	1	
The Suprarenal Glands and Thymus	1	
Endocrin Organs		2
The Pelvis		1
Perineum		1
The Pelvis and Perineum	2	
Male Genital Organs	2	2
Female Genital Organs	2	2
The Kidney and the Ureter	2	2
Urinary Bladder and the Urethra	1	1
Sectional Anatomy	1	
Discussion	1	

Biochemistry (20+2)	Lecture	Practice
Signal transduction mechanism	3	
Hypothalamus and pituitary hormones	2	
Thyroid hormones	2	
Adrenal gland hormones	3	
Reproductive endocrine system	4	
Calcium and phosphorus metabolism	2	
Urinary system and urine biochemistry	2	2
Kidney function tests	2	

Physiology(37)	Lecture	Practice
Physiology of endocrine and neuroendocrine integration	2	
Classification of mechanisms of action of hormones	1	
Hypothalamic hormones	1	
Hypophysis - Hypothalamus relationship	1	
Posterior pituitary hormones, the pineal gland	1	
Anterior pituitary hormones	1	
Thyroid hormones	1	
Hormones of the adrenal gland cortex and medulla	3	
Functions of the endocrine pancreas and diabetes	2	
Gender differentiation in the female reproductive physiology and hormones	2	
Calcium metabolism and bone physiology	2	
Pregnancy, birth, lactation	2	
Male reproductive physiology and hormones	2	
New born, growth factors, growth physiology	2	
Renal physiology	2	
Glomerular filtration	2	
Tubules renal reabsorption, and secretion	2	
The concept of clearance and renal clearance tests	1	
Regulation of extracellular osmolarity and sodium concentration	1	
Renal mechanisms in controlling the volume of extracellular fluid and blood	1	
Fluid and electrolyte metabolism, regulation of water and osmolality	1	
Acid-base balance	2	
Urine formation, properties and unloading	1	
Pathophysiology of kidney disease, dialysis	1	

Histology (24+8)	Lecture	Practice
Histology and Development of the Hypophysis	2	
Histology and Development of Thyroid and Parathyroid Glands	2	
Histology and Development of Suprarenal Gland and Endocrine Pancreas	2	
Histology of Endocrine Glands LAB		2
Histology of the Male Reproductive System	3	
Histology of the Female Reproductive System	4	2
Development of the Reproductive System	4	2
Assisted Reproductive Techniques	1	
Development of the Urinary System	2	
Histology of the Urinary System	4	2
Microbiology (26+3)	Lecture	Practice
General characteristics of protozoa	1	
Entamoeba	2	
Giardia, Balantidium	1	
Toxoplasma	2	
Trypanosoma	1	
Leishmania	2	
Trichomonas	1	
Diagnostic methods of protozoa (practical)		1
Plasmodium	3	
Diagnostic methods of plasmodia (practical)		1
Introduction to helminthology	1	
Cestodes	2	
Trematodes	2	
Nematodes	2	
Parasitological diagnostic methods (practical)		1
Introduction to entomology	1	
General characteristics and classification of arthropods	1	
Arthropod-control methods	1	
Flies	1	
Lice, fleas, bedbugs	1	
Mites	1	

CELL AND TISSUE COMMITTEE COURSE DESCRIPTIONS

Allergy Immunology (4)	Lecture	Practice
Immunological basics of diseases	2	
Pathogenesis of allergic diseases	2	
Pharmacology (19)	Lecture	Practice
Introduction to Pharmacology	1	
Routes of Drug Administration	1	
Drug Absorption and Distribution	2	
Drug Biotransformation (Metabolism)	2	
Drug Excretion	1	
Mechanisms of Drug Action	1	
Dose-Response-Effect Relationship	2	
Receptors and Drug-Receptor Interaction	2	
Factors Modifying the Effects of Drug	1	
Drug-Drug Interactions	2	
Treatment Principles of Acute Poisoning and Toxic Effects of Drugs	2	
Pharmacogenetics	2	
Microbiology(10+1)	Lecture	Practice
Introduction to mycology	1	
Superficial fungi	2	
Subcutaneous fungi	2	
Systemic fungi	2	
Opportunistic fungi	2	
Antifungal drugs	1	
Mycological culture and staining methods (practical)		1
Pathology (31+4)	Lecture	Practice
Cellular responses to stress	1	
Causes of cell injury	1	
Morphology of cell injury	1	
Mechanisms of cell injury	1	
Apoptosis	1	
Control of normal cell proliferation and tissue growth, stem cells	1	
General features of inflammation	1	
Acute inflammation (2)	2	
Chronic inflammation (2)	2	
Regeneration and repair by healing scar formation, and fibrosis	1	
Cutaneous wound healing	1	
Edema, hyperemia, congestion	1	
Cells of the immune system	1	
Infarction and shock	1	
Immune mechanisms of tissue damage	1	
Cytokines and HLA	1	
Autoimmune diseases	1	
Definition and nomenclature of neoplasia	1	
Benign and malignant neoplasm (Differentiation and anaplasia)	1	
Biology of benign and malignant tumor growth (Rates of growth, local invasion, metastasis)	1	
Epidemiology of cancer	1	
Carcinogenesis	1	
Amyloidosis	1	

Biology of tumor growth (The normal cell cycle and oncogenesis)	1
Biology of tumor growth (Tumor suppressor genes)	1
Etiology of cancer	1
Immunology of tumor	1
Congenital malformations and deformations	1
Pediatric tumors	1

Medical Biology and Genetics (8)

	Lecture	Practice
Autosomal chromosomes and abnormalities	2	
Sex chromosomes and abnormalities	2	
Molecular diagnostics and molecular pathology methods	2	
The genetic basis of cancer	2	

**UNIVERSITY OF GAZIANTEP FACULTY OF
MEDICINE SEMESTER III, PROGRAMS OF
COMMITTEES**

TF 300 SEMESTER III COMMITTEES AND HOURS

1. INFECTIOUS DISEASES, and HEMATOPOIETIC SYSTEM COMMITTEE (7 weeks)

Course	Theoretical	Practice	Total
Pharmacology	25	-	25
Pathology	11	2	13
Child Health and Diseases	33	-	33
Internal Medicine (General Internal Medicine and Hematology)	29	-	29
Dermatology	5	-	5
Infectious Diseases	16	-	16
Emergency Medicine	6	-	6
Clinical Biochemistry	6	-	6
Medical Microbiology	10	2	12
Good Medical Practice (GMP) and the Clinical Skills Module	6	6	12
TFYD-300 Professional Foreign Language	2	-	2
TOTAL	161	10	171

2. DISEASES OF RESPIRATORY AND CARDIOVASCULAR SYSTEM COMMITTEE (5.5 weeks)

Course	Theoretical	Practice	Total
Pharmacology	21	-	21
Pathology	17	3	20
Child Health and Diseases	13	-	13
Cardiology	24	-	24
Respiratory Diseases	15	-	15
Chest Surgery	4	-	4
Emergency Medicine	4	-	4
Radiology	6	-	6
Nuclear Medicine	1	-	1
Otorhinolaryngology	11	-	11
Good Medical Practice (GMP) and the Clinical Skills Module	5	5	10
TFYD-300 Professional Foreign Language	2	-	2
TOTAL	131	8	139

3. DIGESTIVE SYSTEM DISEASES COMMITTEE (4.5 weeks)

Course	Theoretical	Practice	Total
Pharmacology	5	-	5
Pathology	15	4	19
Child Health and Diseases	10	-	10
Internal Medicine (Gastroenterology)	28	-	28
General Surgery	12	-	12
Infectious Diseases	8	-	8
Emergency Medicine	5	-	5
Nuclear Medicine	2	-	2
Radiology	5	-	5
Good Medical Practice (GMP) and the Clinical Skills Module	4	6	10
TFYD-300 Professional Foreign Language	2	-	2

TFYD-300 Professional Foreign Language	6		6
TOTAL	102	10	112

4. ENDOCRINE, REPRODUCTIVE AND URINARY TRACT DISEASES COMMITTEE (6 weeks)

Course	Theoretical	Practice	Total
Pharmacology	17	-	17
Pathology	26	4	30
Child Health and Diseases	23	-	23
Internal Medicine (Endocrinology and Nephrology)	34	-	34
Obstetrics and Gynecology	15	-	15
Medical Biology and Genetics	2	-	2
Urology	10	-	10
Clinical Biochemistry	4	-	4
Nuclear Medicine	2	-	2
Radiology	4	-	4
Good Medical Practice (GMP) and the Clinical Skills Module	5	5	10
TFYD-300 Professional Foreign Language	2	-	2
	10	-	10
TOTAL	154	9	163

5. NERVOUS SYSTEM, PSYCHIATRY, MOTOR AND SENSORY SYSTEM DISEASES COMMITTEE (7 weeks)

Course	Theoretical	Practice	Total
Pharmacology	20	-	20
Pathology	19	4	23
Child Health and Diseases	7	-	7
Internal Medicine (Rheumatology)	9	-	9
Psychiatry	10	-	10
Neurology	17	-	17
Neurosurgery	8	-	8
Ophthalmology	8	-	8
Clinical Biochemistry	2	-	2
Radiology	8	-	8
Orthopedics and Traumatology	15	-	15
Child and Adolescent Psychiatry	5	-	5
Emergency Medicine	3	-	3
Physiotherapy	8	-	8
Otorhinolaryngology	7	-	7
Anesthesiology	5	-	5
Nuclear Medicine	1	-	1
Good Medical Practice (GMP) and the Clinical Skills Module	6	10	12
TFYD-300 Professional Foreign Language	2	-	2
	12	-	12
TOTAL	172	14	186

6. THE COMMITTEE OF PUBLIC HEALTH, FAMILY MEDICINE, BIostatISTICS AND MEDICAL ETHICS (6 weeks)

Course	Theoretical	Practice	Total
Public Health	56	-	56
Family Physician	2	30	32
Biostatistics	22	-	22
Medical Ethics and Communication Skills	14	-	14
Emergency Medicine	8	-	6
TOTAL	102	30	132

FACULTY OF MEDICINE 300 SEMESTER III CONTENT OF COURSES

1. INFECTIOUS DISEASES, and HEMATOPOIETIC SYSTEM COMMITTEE

Child Health and Diseases(33)	Theoretical	Practice
Pediatric history taking, physical examination, and evaluation	2	
Examination of the head and neck in children	1	
Examination of the lymph system and lymphadenopathy	1	
Vital findings	1	
Examination of the newborn infant	2	
Upper respiratory tract infections in childhood	1	
Streptococcal infections in childhood	1	
Diphtheria, pertussis, tetanus	1	
Mumps	1	
Eruptive diseases	2	
Intrauterine infections	2	
Childhood vaccines and vaccination practices	2	
Anemias and their classification	3	
Hemoglobinopathies	3	
Hereditary coagulation disorders	1	
Mechanism of immunological diseases	1	
Primary immune deficiencies	1	
Immunological methods	1	
Hepatosplenomegaly	2	
Solid tumors	1	
ALL	1	
Blood component and transfusions	2	
Dermatology(5)	Theoretical	Practice
Structure and functions of the human skin	1	
Mucocutaneous lesions and diagnostic procedures in Dermatology	1	
Viral infections of the skin and mucosae	1	
Bacterial infections of the skin and mucosae	1	
Superficial fungal infections of the skin and mucosae	1	
Infectious Diseases(16)	Theoretical	Practice
Semiology of systemic infectious diseases	1	
Systemic infectious diseases and organomegaly	1	
Infectious diseases, examination and terminology	1	
Approach to patients with fever	1	
Sepsis	2	
AIDS	1	
Malaria	1	
Meningitis	2	
Rabies	1	
Tetanus	1	
Respiratory tract infections	1	
Nosocomial infections	2	
Urinary tract infections	1	

Pharmacology(25)	Theoretical	Practice
Principles of Infection Treatment and Introduction to Chemotherapeutics	2	
Penicillins and Narrow Spectrum Chemotherapy/Other Beta-Lactam Antibiotics	3	
Cephalosporins	2	
Sulfonamids and Combinations	1	
Macrolides, Lincosamides, Streptogramins, Linezolid	1	
Aminoglycosides	1	
Fluroquinolones	1	
Tetracyclines and Amphenicols	1	
Anti-Tuberculosis Drugs	1	
Antifungal Drugs	1	
Antiviral Drugs	1	
Antiamibic Drugs and Other Antiprotozoal drugs	1	
Antimalarial and Anthelmintic Drugs	2	
Antiseptics and Disinfectants	1	
Antianemic Drugs (Iron)	1	
Megaloblastic Anemia and Other Anemia Drugs	1	
Antineoplastic Drugs	3	
Immunomodulators	1	
Internal Medicine (General Internal Medicine-Hematology)(29)	Theoretical	Practice
Approach to the patient and medical history (Anamnesis)	2	
Evaluation of patients	1	
Approach to geriatric patients, geriatric problems	2	
Asking for right test and use of laboratory tests	1	
The importance of a multidisciplinary approach in internal medicine	1	
Problem solving in internal Medicine	1	
Aging and anti-aging treatment	1	
Chronic fatigue syndrome	1	
Approach to the patient with weight loss	1	
Peripheral Blood Smear	1	
Classification of Anemias	1	
Iron deficiency Anemias	1	
The megaloblastic Anemias	1	
Hemolytic anemias	1	
Aplastic Anemia	1	
Hematopoiesis	1	
Bleeding disorders and approach to the patient with bleeding	1	
Disseminated intravascular coagulation	1	
Thrombocytopenia and qualitative thrombocyte disorders	1	
The monoclonal gammopathies and plasma cell disorders	1	
Lymphadenopathies and approach to lymphadenomegaly	1	
Myeloproliferative disorders, CML	1	
Non-myeloproliferative disorders, non-CML	1	
Acute and chronic leukemias, AML	1	
Acute and Chronic leukemias, ALL, KLL	1	
Hodgkin and Non-Hodgkin Lymphomas	2	
Clinical Biochemistry(6)	Theoretical	Practice
Biological and physiological variations in Clinical Biochemistry	1	
Diagnostic sensitivity in Clinical Biochemistry	1	
Interpretation of tests and error sources in clinical biochemistry	2	
Biochemical tests in hematopoietic system diseases	2	

Medical Microbiology(10+2)	Theoretical	Practice
Agents of Nosocomial Infections	1	
Laboratory Diagnostic Methods in Infectious Diseases	-	2
Mechanisms of antimicrobial resistance	2	
Agents of Congenital Infections	1	
Agents of Soft Tissue Infections	1	
Agents of Meningitis	1	
Agents of Sexually Transmitted Diseases	1	
Agents of Gastroenteritis	1	
Upper Respiratory Tract Infections and Laboratory Diagnosis	1	
Lower Respiratory Tract Infections and Laboratory Diagnosis	1	
Pathology(11+2)	Theoretical	Practice
Pathology and neoplasms of reticuloendothelial system	1	
Hematopoiesis, normal structure of bone marrow	1	
Acute leukemias	1	
Myeloproliferative neoplasms and chronic leukemia	1	
Myeloproliferative neoplasms and Myelodysplastic Syndrome	1	
Normal structure of lymph node, lymphadenopathies	1	
Pathology of Non-Hodgkin Lymphomas	1	
Pathology of Hodgkin Lymphomas	1	
Pathology of spleen	1	
Hematopoietic System (Practice)		2
Special techniques used for diagnosis of infectious agents in pathology	1	
Inflammatory responses to infectious agents	1	
Emergency Medicine(6)	Theoretical	Practice
Patient/ injured and Crime Scene Assessment	1	
First Aid in Bleeding	1	
First aid in Injuries	1	
Premedication, Analgesia and Anesthesia in Emergency Department	1	
Laboratory and imaging in emergency room. What?, When?, Why?	2	
GMP and Clinical Skills(6+6)	Theoretical	Practice
Ability to take cultures from throat and others	-	1
Ability to take vital signs	-	2
Basic concepts of patient interview	1	
Patient-physician communication and inform to patient	1	
Difficult patient interviews, breaking bad news	1	
Acceptance of samples to the laboratory and preanalytical factors	1	1
Functioning of the central laboratory	1	1
The concept and operation of intensive care	1	1

2. DISEASES OF RESPIRATORY AND CARDIOVASCULAR SYSTEM COMMITTEE

Child Health and Diseases(13)	Theoretical	Practice
Examination of the circulatory system in children	2	
Congenital heart disease (acyanotic)	2	
Congenital heart disease (cyanotic)	2	
Acute rheumatic fever	1	
Childhood heart failure	1	
Childhood pneumonia	2	
Cystic fibrosis	1	
Approach to wheezy child	1	
Childhood tuberculosis	1	
Pharmacology(21)	Theoretical	Practice
Antihypertensive Drugs	3	
Diuretic Agents	1	
Beta adrenergic receptor blockers	1	
Cardiac glycosides and other drugs used in heart failure	2	
Antianginal Drugs	1	
Antiarrhythmic Drugs	2	
Hypolipidemic Drugs	1	
Introduction to Autonomic Nervous System Drugs	1	
Parasympathomimetic Drugs	1	
Parasympatholytics and Anticholinesterases	1	
Sympathomimetic Drugs	1	
Sympatholytic Drugs	1	
Nicotine, Ganglion Stimulants and Ganglion Blockers	1	
Antithrombotic Drugs	2	
Bronchodilator Drugs and Other Drugs Used in Asthma	1	
Expectorants, Surfactants, Mucolytic and Antitussive Drugs	1	
Chest Surgery(4)	Theoretical	Practice
Approach to the patient with thoracic trauma	2	
Pulmonary emergency - surgical diseases	2	
Respiratory Diseases(15)	Theoretical	Practice
Symptoms in respiratory system diseases	1	
Physical examination in respiratory system diseases	1	
Pulmonary function tests	1	
Tuberculosis	2	
Pneumonia	2	
COPD; pathogenesis and manifestation	1	
Asthma; pathogenesis and manifestation	1	
Pathogenesis of pleural diseases	1	
Pathogenesis and manifestation of lung cancer	1	
Etiology and pathogenesis of respiratory failure	1	
Tobacco and lung health	1	
Pulmonary embolism	1	
Obstructive sleep apnea syndrome	1	
Cardiology(24)	Theoretical	Practice
Anemnesia of heart diseases	1	
Symptoms of heart diseases	1	
Physical examination of heart diseases	1	

Heart rate and blood pressure measurement	1	
Basic electrocardiography	4	
Dysrhythmias	2	
Coronary risk factors	1	
Coronary artery diseases	3	
Cardiopulmonary resuscitation	1	
Hypertension	2	
Heart valve diseases	2	
Heart Failure	2	
Cardiomyopathies	1	
Pericarditis	1	
Infective endocarditis	1	
Otorhinolaryngology(11)	Theoretical	Practice
Diagnostic Methods and Physical Examination in ENT	2	
Dispnea and Stridor	1	
Tracheotomy	1	
Acute and Chronic Rhinosinusitis and Complications	1	
Nasal Obstruction	1	
Epistaxis	1	
Diseases of the Tonsil and Pharynx	1	
Laryngeal Cancer	1	
Neck Masses	1	
Obstructive Sleep Apnea Syndrome	1	
Nuclear Medicine(1)	Theoretical	Practice
Respiratory-Circulation System Scintigraphy	1	
Pathology(17+3)	Theoretical	Practice
Pathology of vascular diseases	1	
Atelectasis and vascular pulmonary diseases	1	
Atherosclerosis	1	
Vasculitis	1	
Blood vessel tumors	1	
Ischemic heart diseases	1	
Valvular heart diseases	1	
Myocarditis and cardiomyopathies	1	
Pathology of upper respiratory tract	1	
Congenital anomalies of respiratory tract	1	
Chronic obstructive pulmonary diseases	1	
Pulmonary infections	1	
Bronchiectasis, emphysema	1	
Diffuse interstitial pulmonary diseases	1	
Pleural Diseases	1	
Lung tumors (Non-small cell)	1	
Lung tumors (Neuroendocrine and others)	1	
Practice		3
Radiology(6)	Theoretical	Practice
Radiological approach to heart diseases	1	
Thoracic radiology (radiologic examination of lung)	2	
Thoracic Radiology (lung parenchyma lesions)	1	
Thoracic Radiology (benign lung pathology)	1	
Thoracic Radiology (malignant lung pathologies)	1	

Emergency Medicine(4)Airway and respiration
Advance Life Support

Theoretical	Practice
2	
2	

GMP and Clinical Skills(5+5)Basic first aid skills training
Visit to radiology unit
What is important when asking for a radiological test?
Clinical medicine consultation and communication
The concept of specialization in medicine, how I will be specialist?
Relationship between medical students and residents
How can I be an academician?

Theoretical	Practice
-	4
-	1
1	
1	
1	
1	
1	

3. DIGESTIVE SYSTEM DISEASES COMMITTEE

Child Health and Diseases(10)	Theoretical	Practice
Examination of the abdomen in children	1	
Chronic diarrhea	2	
Neonatal hepatitis	1	
Nutrition, malnutrition	1	
Rickets, vitamin deficiency	1	
Childhood viral hepatitis	2	
Childhood infectious diarrhea and ORS application	2	
Infectious Diseases(8)	Theoretical	Practice
Acute gastroenteritis and food poisoning	2	
Acute hepatitis	2	
Cholera	1	
Salmonellosis	2	
Brucellosis	1	
Pharmacology(5)	Theoretical	Practice
Drugs used in peptic ulcer treatment	1	
Emetic, antiemetic and prokinetic drugs	1	
laxative and purgative drugs	1	
Antidiarrheal drugs	1	
Other drugs effective on digestive system	1	
General Surgery(12)	Theoretical	Practice
Surgical anamnesis and symptomatology	2	
Preoperative and postoperative evaluation	2	
Abdominal examination and acute abdomen	2	
Peptic ulcer complications	2	
Mechanical intestinal obstructions	2	
Acute appendicitis	1	
Anorectal disease	1	
Internal Medicine (Gastroenterology)(28)	Theoretical	Practice
History taking and Physical Exam in Gastroenterology	1	
Diagnostic and Interventional Endoscopy	1	
Reflux Esophagitis (GERD)	1	
Other Esophageal Disorders	1	
Dyspepsia	1	
Peptic Ulcer and Helicobacter pylori	1	
Upper GI Bleeding	1	
Gastric Cancer	1	
Malabsorption	2	
Small Intestine and Colon Cancers	1	
Gastrointestinal Endocrin tumours	1	
Diarrhea and Constipation	2	
Inflammatory Bowel Diseases	1	
Irritable Bowel Syndrome	1	
Liver Function Tests	1	
Chronic Viral Hepatitis	1	
Metabolic and Immune Liver Diseases	1	
Hepatotoxicity	1	
Alcoholic Liver Diseases	1	

Jaundice and Differential Diagnose	1	
Portal Hypertension and Complications	1	
Liver Cirrhosis	1	
Liver and Pancreas Cancers	1	
Diseases of Gallbladder and Biliary Duct	1	
Hepatic Encephalopathy	1	
Acute and Chronic Pancreatitis	1	
Nuclear Medicine(2)	Theoretical	Practice
Gastrointestinal System Scintigraphy	1	
Metabolic Imaging in Nuclear Medicine	1	
Pathology(15+4)	Theoretical	Practice
Esophageal diseases	1	
Gastritis and peptic ulcers	1	
Gastric neoplasms	1	
Intestinal anomalies and intestinal inflammatory disorders	1	
Pathology of inflammatory bowel diseases	1	
Epithelial tumors of the small and large intestine	1	
Other tumors of gastrointestinal tract	1	
Pathology of appendix and peritoneum	1	
Pathology of hepatitis	1	
Pathology of toxic hepatitis	1	
Pathology of metabolic and hereditary liver diseases	1	
Pathology of liver	1	
Pathology of biliary tract and gallbladder	1	
Pathology of exocrine pancreas diseases	1	
Pathology of pancreatic tumors	1	
Practice		4
Radiology(5)	Theoretical	Practice
Anatomy of GIS and radiological methods	1	
Esophageal diseases	1	
Gastro-duodenal diseases	1	
Diseases of the small intestine	1	
Diseases of the colon	1	
Emergency Medicine(5)	Theoretical	Practice
General Principles of Treatment in Poisoning	2	
First Aid in Animal Bite	1	
Environmental Emergencies (First aid in burn, freeze and heat shock)	2	
GMP and Clinical Skills(4+6)	Theoretical	Practice
Putting nazo-gastric sonda and washing the stomach		2
Information about operating rooms		2
Laboratory of nuclear medicine and functioning		2
Endoscopy unit and the functioning		2
Infant nutrition and breastfeeding	1	
Uses and maintenance of medical equipment in hospital	1	
Decontamination and sterilization	1	
Patient transport methods	1	

4. ENDOCRINE, REPRODUCTIVE AND URINARY TRACT DISEASES COMMITTEE

Child Health and Diseases(23)	Theoretical	Practice
Assessment of Growth	2	
Hypothyroidism in childhood	1	
Hypocalcemia in childhood	1	
Cushing's syndrome in children	1	
Adrenogenital syndrome	2	
Childhood Diabetes Mellitus	2	
Metabolic disorders	2	
Hypoglycaemia in childhood	1	
Puberty and puberty disorders	1	
Ambiguous genitalia	1	
Pituitary disorders	2	
Approach to short stature children	2	
Intrauterine growth retardation	1	
Glomerulonephritis	2	
Approach to the child with edema	1	
Nephrotic syndrome	1	
Pharmacology(17)	Theoretical	Practice
Introduction to Endocrine System Pharmacology	1	
Thyroid Drugs, Thyroid Hormones, Antithyroid Drugs	2	
Calcitropic Drugs	2	
Insulin, Oral Antidiabetic Drugs and Glucagon	2	
Corticosteroids, Antagonists and ACTH	2	
Estrogens, Progestins and Antagonists	1	
Androgens	1	
Oral Contraceptives and Oxytocic Drugs	1	
Anabolic Steroids and Antiandrogenic Drugs	1	
Nephrotoxicity of Pharmacological Agents, Dose Adjustment, Urinary Antiseptics	1	
Autacoids	3	
Internal Medicine (Endocrinology and Nephrology)(34)	Theoretical	Practice
Introduction to diseases of the endocrine system	1	
Approach to the patient and physical examination	1	
Hypothalamus/ pathophysiology of pituitary gonadal diseases and tests	1	
Thyroid pathophysiology and tests	1	
Simple goiter, thyroiditis, and thyroid cancer	1	
Hypothyroidism	1	
Hyperthyroidism	1	
Parathyroid diseases	1	
Adrenal gland pathophysiology and tests	1	
Cushing's and Addison's disease	1	
Endocrine hypertension and pheochromocytoma	1	
Hyperlipidemias and obesity	1	
Diabetes Mellitus	3	
Osteoporosis	1	
Urinary system (approach to the patient and physical examination)	1	
Renal physiology	2	
Changes in the amount of urine and urine examination	1	
Fluid and electrolyte balance	2	
Acid-base metabolism disorders	1	
Hypertension and renal diseases	2	

Acute renal failure	2	
Glomerulopathies	2	
Nephrotic syndome	1	
Chronic renal failure	2	
Systemic diseases and kidney	1	
Pyelonephritis and tubulopathy	1	
Obstetrics and Gynecology(15)	Theoretical	Practice
Approach to the patient in obstetrics and gynecology	1	
Methods of examination and diagnosis in obstetrics and gynecology	1	
Physiology of normal labor	1	
Physiology of menstruation	2	
Amenorrhea and abnormal uterine bleeding	2	
Ovarian Cancer	2	
Endometrium Cancer	2	
Approach to the infertile couple	2	
Pregnancy and endocrine disorders	2	
Clinical Biochemistry(4)	Theoretical	Practice
Endocrine disorders and biochemical tests	2	
Protein analysis in urine	1	
Kidney function tests	1	
Nuclear Medicine(2)	Theoretical	Practice
Diagnose and Treatment of Thyroid Gland Disease in Nuclear Medicine	1	
Renal Scintigraphy	1	
Pathology(26+4)	Theoretical	Practice
Pathology of thyroid and parathyroid	2	
Pathology of pituitary and hypothalamus	1	
Pancreatic endocrine tumors	1	
Pathology of adrenal gland, multiple endocrine neoplasia syndromes	1	
Practice of endocrine system		1
Pathology of placenta and gestational trophoblastic diseases	1	
Pathology of vulvar and vaginal diseases	1	
Pathology of uterin corpus	1	
Tumors of endometrium and myometrium	1	
Pathology of uterin cervix	2	
Pathology of ovary	2	
Pathology of breast diseases	2	
Practice of female genital system		2
Pathology of obstructive uropathy, congenital anomalies of urinary tract	1	
Pathology of glomerular diseases	2	
Pathology of bladder, ureter and urethra	1	
Pathology of renal vascular diseases	1	
Tubulointerstitial diseases	1	
Pathology of renal tumors	2	
Pathology of testicular tumors	1	
Pathology of prostatic diseases	1	
Prostatic tumors	1	
Practice of urinary tract and male genital system		1
Radiology(4)	Theoretical	Practice
Imaging of endocrine pathologies	1	
Chest radiology	1	
Radiographic evaluation of the urinary tract	1	
Radiology of urinary tract tumors	1	

Medical Biology and Genetics(2)

Prenatal diagnostic methods

Theoretical Practice

2

Urology(10)

Symptomatology of genitourinary system disorders

Pathophysiology of sexual dysfunction

Male infertility

Voiding physiology and urinary incontinence

Urologic causes of hematuria

Pathophysiology of obstructive uropathy

The role of urologist in acute kidney failure

Urinary system infections

Clinical findings of urologic cancers

Urinary system stone disease

Theoretical Practice

1

1

1

1

1

1

1

1

1

1

GMP and Clinical Skills(5+5)

Urethral catheterization in men and women

Contraceptive methods and family planning counseling

Gynecological examination and smear-taking skills

RIA application

Measuring the blood glucose level by glucometre

Patient privacy

Theoretical Practice

2

2

2

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1

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1

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1

1

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5. NERVOUS SYSTEM, PSYCHIATRY, MOTOR AND SENSORY SYSTEM DISEASES COMMITTEE

Anesthesiology(5)	Theoretical	Practice
Definition and history of anesthesia	1	
Pain and pain management	1	
Premedication	1	
Inhalation anesthesia and techniques	1	
Techniques of regional anesthesia	1	
Child Health and Diseases(7)	Theoretical	Practice
Convulsions	2	
Epilepsy in childhood	2	
Approach to childhood neuromuscular diseases	1	
Congenital muscular disorders	1	
Approach to child abuse and neglect	1	
Child and Adolescent Psychiatry(5)	Theoretical	Practice
The psychological development of child	1	
Attention deficit, hyperactivity disorders	1	
Pervasive developmental disorder	1	
Sleep disorders	1	
Elimination disorder: Enuresis and encopresis	1	
Pharmacology(20)	Theoretical	Practice
Principles of Central Nervous System Pharmacology	2	
General Anesthetics	1	
Local Anesthetics	1	
Neuromuscular blockers and Central Muscle Relaxants	1	
Sedative and Hypnotic Drugs	2	
Neuroleptic Drugs	2	
Mood Disorder Drugs (Antidepressants)	1	
Opioid Analgesics	2	
Antiepileptic Drugs	1	
Drugs Used for treatments of Parkinson, Other Movement Disorder and Alzheimer disease	1	
Central Nervous System Stimulants and Weight Loss Drugs	1	
Nonsteroid Antiinflammatory Drugs (NSAIDs)	2	
Drug Abuse and Addiction	1	
Alcohols	1	
Dermatological and Ophthalmological Pharmacology	1	
Physiotherapy(8)	Theoretical	Practice
Rheumatic Arthritis and its rehabilitation	1	
Ankylosing Spondylitis and its rehabilitation	1	
Treatment and rehabilitation in degenerative joint diseases	1	
Low back pain and its rehabilitation	1	
Osteoporosis and its rehabilitation	1	
Orthopaedic Rehabilitation	1	
Soft Tissue Rheumatisms	1	
Neurological Rehabilitation	1	
Ophthalmology(8)	Theoretical	Practice
Anatomy and physiology of eye	1	
Technics of eye examination	1	
Refractive disorder of eye and treatment	1	

Tear structure, drainage pathway and disease	1	
Strabismus	1	
Glaucoma	1	
Red eye	1	
Optic nevre, vision pathway disease	1	
Clinical Biochemistry(2)	Theoretical	Practice
Biochemical tests used in the diagnosis of diseases of bone metabolism	1	
Biochemistry of exercise	1	
Otorhinolaryngology(7)	Theoretical	Practice
Peripheral Facial Nerve Paralysis	1	
Hearing Loss and Cochlear Implantation	1	
Acute and Chronic Otitis Media and Complications	2	
Vertigo and Meniere's Disease	2	
Nasal and Aural Foreign Bodies	1	
Neurology(17)	Theoretical	Practice
Introduction to Neurological Sciences	2	
Semiology in Neurological Sciences	1	
Neurological examination, diagnostic techniques in neurological disorders	2	
Movement disorders	1	
Hemodynamic features of brain and cerebrovascular diseases	1	
Epilepsy	1	
Headache	1	
Demyelinating disorders of the central nervous system	1	
Approach to a comatose patient	1	
Neuromuscular junction and muscle diseases	1	
Peripheral neuropathies and anterior horn motor neuron diseases	1	
Higher cognitive functions and diseases	1	
Dementia	1	
Neurological emergencies	2	
Neurosurgery(8)	Theoretical	Practice
Subarachnoid hemorrhages	1	
Raised intracranial pressure	1	
Head injuries	1	
Spine injuries	1	
Disc hernia	1	
Peripheral nerve injuries and congenital malformations	1	
Brain tumors	1	
Spinal tumors	1	
Nuclear Medicine(1)	Theoretical	Practice
Bone Scintigraphy and Measurement of Bone Mineral Density	1	
Orthopedics and Traumatology(15)	Theoretical	Practice
Physical Examination of Musculoskeletal System and Introduction to . . .	2	
Management of Trauma Patients	1	
Fractures and Dislocations	1	
Developmental Disorders of Bone	1	
Rheumatic Joint Diseases and Orthopedic Surgery	1	
Sport Injuries and Arthroscopy	1	

Developmental Dysplasia of Hip	1
Tumors of Musculoskeletal System	1
Degenerative Joint diseases	1
Septic Arthritis and Osteomyelitis	1
Traumas and Diseases of Vertebral Column	1
Congenital Anomalies in Orthopedics	1
Osteochondrosis	1
Hand Traumas and Hand Surgery	1

Pathology(19+4)

	Theoretical	Practice
Introduction of neuropathology, congenital anomalies	1	
Demyelinating diseases	1	
Toxic and metabolic diseases of the central nervous system (CNS)	1	
Cerebrovascular diseases	2	
Infections of CNS	1	
Degenerative diseases of CNS	1	
Tumors of CNS	2	
Peripheral Nerve Sheath Tumors	2	
Practice of CNS	-	2
Tumors of soft tissue	2	
Pathology of bone tumors	2	
Inflammatory dermatoses	1	
Bullous diseases	1	
Epithelial tumors of the skin	1	
Melanocytic tumors and tumor like lesions	1	
Practice	-	2

Psychiatry(10)

	Theoretical	Practice
Psychiatric history taking and mental status examination	1	
Personality and psychopathologic status	1	
Addiction	1	
Anxiety and somatoform disorders	2	
Schizophrenia and other psychotic disorders	1	
Mood disorders	1	
Delirium, dementia and other cognitive disorders	1	
Psychological trauma and related disorders	1	
Psychotherapies, psychiatric emergencies	1	

Radiology(8)

	Theoretical	Practice
Radiologic examination methods of central nervous system	1	
Radiological anatomy of the central nervous system	1	
Radiological approach to head trauma	1	
Radiological approach to SVO	1	
Radiological anatomy of locomotor system	1	
Locomotor system imaging methods	1	
Orbita radiology	1	
Radiology of the paranasal sinuses	1	

Emergency Medicine(3)

	Theoretical	Practice
Trauma Resuscitation Attempt	1	
First Aid in Consciousness Disorders	1	
First Aid in Fracture dislocations and sprains	1	

Internal Medicine (Rheumatology)(9)

	Theoretical	Practice
Evaluation of patients with arthritis	1	
Autoantibodies and acute phase reactants	1	

Rheumatoid arthritis	1
Systemic lupus erythematosus	1
Behcet disease	1
Familial Mediterranean Fever (FMF)	1
Ankylosing spondylitis (AS)	1
Vasculitis: related to ANCA	1
Vasculitis: large and medium-sized vessel involvement	1

GMP and Clinical Skills(6+10)

	Theoretical	Practice
Determination and ability to take a tele		2
DTR examination skills		1
Lumbar puncture skills		1
Visit to physical therapy unit		2
Visit to psychiatry clinic		2
Visit to ophthalmology clinic		2
Back off I'm a doctor ...	1	
Doctor-patient ...	1	
Do the patients always right?	1	
I am a physician, Do I regret it?	1	
The importance of medical records and archives	1	
Medical automation	1	

**6. THE COMMITTEE OF PUBLIC HEALTH, FAMILY MEDICINE, BIostatISTICS
AND
MEDICAL ETHICS**

Public Health(56)	Theoretical	Practice
Concepts of Health and Disease	1	
Developments in Therapeutic and Preventive Medicine	1	
Developments in Social Medicine and Public Health	1	
The Aim of Medicine and Contemporary Standpoints	1	
Principles of Public Administration (Management)	1	
Organization of Health Services	1	
Health Workforce	1	
Health economics and public health	1	
Health Administration in Different Countries and Turkey	1	
Health Level in Turkey and Challenges	1	
Health Legislation	1	
School Health	1	
Human Ecology	1	
Water Pollution	1	
Pollution and Wastes	1	
Health hazards of non-healthy establishments and Evaluation of Environmental Effects	1	
Introduction to Epidemiology	1	
General Information on Research Methods	1	
Epidemiological Study Designs and Descriptive Studies	1	
Observational (Analytical) Studies	1	
Experimental Studies (Trials)	1	
Sampling Techniques	1	
Organization, Presentation and Evaluation of Data	1	
Causation (Concept of Cause) in Epidemiology	1	
Epidemiology and Prevention	1	
Studies on Demographic Structure of Population	1	
Describing Health and Illness	1	
Measurements in Epidemiology	1	
Infections and Resistance and Immunity to Infections	1	
Struggle against Communicable Diseases	1	
Vaccines and Immunization in Turkey	1	
Struggle against Acute Respiratory Infections	1	
Struggle against Diseases with Diarrhoea	1	
Struggle against Malaria	1	
Struggle against Rabies	1	
Chemoprophylaxis and Personal Hygiene	1	
Principles of outbreak investigation	1	
Struggle against Noncommunicable (Chronic) Diseases	1	
Pollution of Air and Noise	1	
Workers' Health	1	
Major types of occupational injury and disease	2	
Importance of Nutrition and Assessment of Nutritional Status	1	
Nutritional Problems and Solutions in Turkey	1	
Nutrition in Risk Groups	1	
Protein-Energy Malnutrition	1	
Food Sanitation	1	
Early Detection of Diseases	1	
Health Education	1	

Disasters and Public Health Responses	1
Population Growth and Family Planning Globally and in Turkey	2

Family Planning Methods and Their Confidentiality	2	
Abortions and Maternal Mortality	1	
Classification of Illnesses and Death Causes	1	
Family Physician(2+30)	Theoretical	Practice
Family physician in Turkey	2	
Family physician practices	-	30
Biostatistics(22)	Theoretical	Practice
Evidence Based Medicine	2	
Clinical Experimental Design	2	
Power analysis	2	
Correlation analysis	2	
Regression analyses	1	
Linear Regression analysis	2	
Chi Square Tests	2	
Diagnostic tests statistics	1	
Logistic regression analysis	2	
Survival analysis	1	
Life table and Kaplan Meier methods	1	
Comparison of two survival curves	1	
Hazard Regression analysis	2	
Reporting of scientific papers	1	
Medical Ethics and Communication Skills(14)	Theoretical	Practice
Basic bioethical principles and rules arising from these principles	1	
Ethical debate on the origin of life	1	
Ethical dimension of genetic engineering and genetic cloning	1	
Ethical dimension of stem cell applications	1	
Ethical dimension of prenatal testing	1	
Ethical dimension of termination of pregnancy	1	
Ethical dimension of assisted reproductive techniques	1	
Communication with psychiatric and cancer patients	1	
Communication with child patients	1	
Communication with old patients	1	
The definition of death, brain death and death process	1	
Ethical dimension of organ and tissue transplants	1	
Patients' rights	1	
Medical professional ethics and Deontology rules	1	
Emergency Medicine(8)	Theoretical	Practice
Disaster Medicine	2	
Hospital Disaster Plan	2	
Wound Preparation and Methods for Wound Closure	2	
Emergency Medical Services in the World and in Turkey	2	

CLASS 4

<u>COURSE NAME</u>	<u>THEORETICAL APPLICATION</u>		<u>TOTAL</u>	<u>WEEK</u>
1. TFC 401 General Surgery	15	25	40	7
2. TFC 403 Pediatric Surgery	15	25	40	1
3. TFD 402 Forensics	15	25	40	2
4. TFD 403 Child Health.ve Patient.	15	25	40	10
5. TFC 402 Female Patient. and	15	25	40	6
6. TFD 404 Cardiology	15	25	40	3
7. TFC 404 Cardiovascular Surgery	15	25	40	1
8. TFD 401 Internal Medicine	15	25	40	10
<u>TOTAL :</u>			<u>40 WEEK</u>	

CLASS 5

<u>COURSE NAME</u>	<u>THEORETICAL APPLICATION</u>		<u>TOTAL</u>	<u>WEEK</u>
1. TFD 501 Chest Diseases	15	25	40	3
2. TFD 502 Infection Disease and Cl.	15	25	40	3
3. TFD 503 Psychiatry	15	25	40	3
4. TFD 504 Neurology	15	25	40	3
5. TFD 505 Dermatology	15	25	40	3
6. TFC 501 Ear Nose Throat	15	25	40	3
7. TFC 502 Eye Diseases	15	25	40	3
8. TFC 503 Orthopedics and	15	25	40	3
9. TFC 504 Urology	15	25	40	3
10. TFD 507 Physical Medicine and Rhb.	15	25	40	2
11. TFD 508 Radiology	15	25	40	2
12. TFC 505 Thoracic Surgery	15	25	40	2
13. TFC 506 Anesthesiology	15	25	40	2
14. TFC 508 Plastic Surgery	15	25	40	2
15. TFD 506 Nuclear Medicine	15	25	40	1
16. TFC 507 Neurosurgery	15	25	40	1
17. TFD 509 Clinical Pharmacology	15	25	40	1
<u>TOTAL :</u>			<u>40 WEEK</u>	

**FAMILY MEDICINE PERIOD (VI. YEAR):
FAMILY MEDICINE PERIOD (SEMESTER VI)**

COURSE NAME	THEORETICAL APPLICATION		TOTAL	WEEK
1. TFC 601 Emergency	0	40	40	2 month
2. TFD 601 Internal Medicine	0	40	40	2 month
3. TFC 602 Gynecology and Obstetrics	0	40	40	2 month
4. TFD 602 Child Health and Diseases	0	40	40	2 month
5. TFD 603 Public Health	0	40	40	2 month
6. TFDS 601 Internal Sciences Elective	0	40	40	1 month
7. TFCS 601 Surgical Sciences Elective	0	40	40	1 month
			TOTAL	12 month

SEMESTER IV

TFC 401 General Surgery Internship

Peptic ulcer complications, approach to treatment. cholecystitis and its treatment, chronic cholecystitis and its treatment, upper gastrointestinal bleeding, diagnosis and treatment approach, lower gastrointestinal bleeding, diagnosis and treatment approach, surgical approaches in colorectal cancers, surgical approach in liver hydatid cysts, surgical approach in acute appendicitis, acute abdomen, diagnosis and treatment approach, pancreatic cancers, hemorrhoids, anal fissure and treatment methods, anorectal abscess, fistulas and treatment methods, treatment approach in thyroid nodules, treatment approach in obstructive jaundice, breast cancer diagnosis and treatment approach, thyroid surgery complications, esophageal varices bleeding, treatment approach, abdominal wall hernias, surgical approach, thyroid cancers, surgical approach, colon diverticular disease, volvulus, minor surgical interventions, intestinal stomas and their complications, gastric tumors, preoperative preparation, postoperative care, surgical approach in inflammatory bowel diseases, surgical spleen diseases, gastrointestinal lower tract diverticulum, tubes, catheters and catheters used in general surgery, purposes of use, suture materials, evaluation of routine laboratory findings in surgical patients, nutrition in surgery, surgical infections, intra-abdominal abscesses, liver abscesses, surgical approach, intestinal obstructions (small bowel) approach in treatment, intestinal obstructions (large intestine) treatment and management, esophageal cancers, acute pancreatitis, chronic pancreatitis, abdominal trauma, shock, fluid-electrolyte acid-base balance, sepsis, antisepsis, sterilization.

TFC 403 Pediatric Surgery Internship

Inguinal hernia and hydrocele, undescended testis, acute scrotum, esophageal atresia, Infantile hypertrophic pyloric stenosis, intestinal atresia, Anorectal malformations, hirschsprung's disease, acute abdomen in children, gastrointestinal tract bleeding in children, gastrointestinal tract foreign bodies, corrosive esophagus-stomach burns, abdominal wall anomalies, congenital diaphragmatic hernia, congenital pathologies of the genitourinary system, ureteropelvic obstruction and vesicoureteral reflux.

TFD 402 Forensic Medicine Internship

Death, signs of death, putrefaction, exploratory examination, autopsy, asphyxia, wounds, forensic reports, pregnancy, childbirth, abortion, homicide, crimes against morality.

TFD 403 Child Health and Diseases Internship

Nutrition, infections, gastrointestinal system diseases, respiratory system diseases, circulatory system diseases, fluid and electrolyte metabolism and diseases, hematological diseases, endocrine and metabolism diseases, urinary system diseases, oncological diseases, cardiovascular system diseases, neonatal diseases, immunological, allergic, rheumatological diseases, neuromuscular system diseases, genetic diseases and congenital malformations.

TFC 402 Gynecology and Obstetrics Internship

Obstetric and gynecological anamnesis, genital system embryology, surgical anatomy of the genital system, antenatal diagnosis and care, menstrual physiology, pharmacological teratogens, epidemiology of gynecological cancers, precancerous lesions of the cervix and vulva, pediatric and adolescent gynecology, puberty and ectopic pregnancy, deviations in pregnancy and puberty gynecological cancers, intersexuality, fertility control and contraception, anatomy and physiology of placenta, fetal membranes and amniotic fluid, maternal adaptation to pregnancy, spontaneous abortion and recurrent pregnancy loss, cervical insufficiency, cervical cancers, ovarian cancers, gestational transformeroblastic pulmonary diseases, cardiac and pulmonary diseases in pregnancy, renal diseases during pregnancy, gastroenterological diseases during pregnancy, endocrine diseases during pregnancy, multiple pregnancies, antenatal fetal monitoring tests, hypertension and preeclampsia, vulva and vagina cancers, third trimester bleeding, intrauterine growth disorders, ovulation induction ion, endometrial cancers, myoma uteri, endometrial hyperplasia, PROM, infertility, surmaturation and induction, normal delivery and operative delivery, abnormal fetal presentation, intrapartum fetal monitoring, puerperium and puerperal infection, lactation and prolactin diseases, pelvic relaxation and urinary cholera incontinence, , preterm birth, immune and non-immune hydrops fetalis, abnormal uterine bleeding and amenorrhea, dysmenorrhea and premenstrual syndrome, endometriosis, menopause, HRT and gynecological and breast cancers, lower genital tract infections, upper genital tract infections, hysterectomy, chronic pelvic pain, USG and Doppler use in pregnancy, hirsutism and PCO, endoscopic surgery in gynecology, preoperative and postoperative management, pregnancy and hematological diseases, sexual dysfunction, hypovolemic shock, obstetric hemorrhages, obstetric analgesia and anesthesia, vaccination programs in pregnancy.

TFD 404 Cardiology Internship

History and physical examination in cardiac patients, diagnostic approach in cardiac patients, diagnostic methods in cardiology, Atherosclerosis, acute myocardial infarction and unstable angina, stable angina pectoris, hypertension, heart failure, heart valve diseases, infective endocarditis, pericardial diseases, myocarditis cardiomyopathies, congenital heart diseases, ECG and Arrhythmias, syncope, pulmonary embolism, pulmonary hypertension, cardio pulmonary resuscitation, Module (Case report and discussion).

TFC 404 Cardiovascular Surgery Internship

Ischemic heart diseases, acquired heart valve diseases, congenital heart diseases, circulatory system pathophysiology, cardiopulmonary bypass, aortic dissection and aneurysm, heart tumors, intensive care in cardiovascular surgery, arterial system diseases, venous system diseases.

TFD 401 Internal Medicine Internship

Gastrointestinal system diseases, kidney and urinary system diseases, hematology, oncology, endocrine system and metabolism diseases, rheumatology and immune system diseases

SEMESTER V

TFD 501 Chest Diseases Internship

Lung abscess and empyema, sarcoidosis, pulmonary hypertension and cor pulmonare, pulmonary thromboembolism, ARDS, respiratory failure, lung parasitic diseases, pleural diseases, sleep-apnea syndrome, mediastinal and diaphragmatic diseases, pneumoconioses, bronchiectasis, cystic fibrosis, pneumothorax.

TFD 502 Infectious Diseases and Clinical Microbiology Internship

General signs and symptoms of infectious diseases, septic shock, meningitis, brucellosis, streptococcal infections, staphylococcal infections, diphtheria, pertussis, tetanus, gas gangrene and other clostridium infections, food poisoning, salmonellosis, cholera, hepatitis, measles and rubella, mononucleosis and similar diseases, mumps, rabies and protection, mycoplasma and chlamydial diseases, AIDS, malaria, fever.

TFD 503 Psychiatry Internship

Psychiatric interview and history taking, psychiatric signs and symptoms, psychiatric diagnoses and classification systems, somatoform disorders, organic mental disorders, mood disorders, mood disorders - subtypes, child psychiatry (disruptive behavior disorders), child psychiatry (elimination disorders), psychosomatic disorders (liaison psychiatry), agitation disorder and other psychoses, dissociative disorders, psychotherapies, anxiety disorders I, anxiety disorders II, sexual dysfunctions, schizophrenia I, schizophrenia II, alcohol and substance use disorders I, alcohol and substance use disorders II, personality disorders, sleep and impulse control disorders, adjustment disorders, drug therapy in psychiatry I, drug therapy for psychiatry II., child psychiatry (pervasive developmental disorders), child psychiatry (psychotic disorders), child psychiatry (speech disorders), child psychiatry (mental retardation and special learning difficulties), child psychiatry (tic disorders).

TFD 504 Neurology Internship

Brief anatomy physiology of the nervous system, cerebro-vascular diseases, consciousness disorders, peripheral nerve diseases, epilepsies, cerebellar system and diseases, headaches, increased intracranial pressure syndrome, intracranial mass and its symptoms, extrapyramidal system diseases, pyramidal system anatomy- physiology, medulla spinalis diseases, voluntary movement disorders and gait disorders, muscle diseases, sensory disorders and symptoms, functions and dysfunctions of cranial nerves, signs and causes of meningeal irritation, function and dysfunction of cranial nerves, normal and pathological reflexes.

TFD 505 Dermatology Internship

Exogenous eczemas, endogenous eczemas, psoriasis, lichen planus-pityriasis rosea, urticaria and angioedema, autoimmune bullous diseases, syphilis, nontroponemal venereal diseases, leprosy, skin tuberculosis, acne vulgaris-rosacea, alopecia-hirsutismus, nail diseases, collegiosis, premalignant and malignant tumors, mycosis fungoides, malignant melanoma, genodermatoses, local treatment principles, treatment with physical agents, Behçet's disease, dermatophytoses, candidiasis, parasitic diseases, viral diseases, streptococcal pyoderma, staphylococcal pyoderma.

TFC 501 Ear Nose Throat Internship

Introduction to ENT, examination methods in ENT and head and neck surgery, hearing loss, tinnitus, auricular-external ear canal diseases and otalgia, acute otitis media, middle ear effusions, chronic otitis media and its complications, peripheral, facial paralysis, temporal bone fractures, otosclerosis, vertigo, basic audiology approach to the hearing impaired, epistaxis, nasal obstruction, sinusitis, headache and facial pain, nasal-sinus and nasopharyngeal tumors, allergic rhinitis and nasal polyps, tonsil and pharynx; diseases, deep neck infections, salivary gland diseases, neck masses, acute and chronic inflammatory diseases of the larynx. laryngeal paralysis, stridor in infants and children, laryngeal tumors, tracheostomy, airway and esophageal foreign bodies, approach to emergency patients in ENT and head and neck surgery, otorhinolaryngological dysphagia. Approach to neck metastases in head and neck cancers.

TFC 502 Eye Diseases Internship

Anatomy, eye examination methods, optic and refractive errors, strabismus, valve diseases and tumors, conjunctival diseases, trachoma, tears, lacrimal system diseases, corneal diseases, keratoplasties, refractive corneal surgery, cataracts, lens pathologies, intraocular lens, sclera patient- diseases, uvea diseases, fundus examination methods, fundus diseases, retinal detachment, ocular findings in systemic diseases, intraocular tumors, glaucoma, contact lenses, vitreous and orbital diseases, emergency eye diseases and their treatment.

TFC 503 Orthopedics and Traumatology Internship

Casts and splints, compartment syndrome, bandages and dressings, skeletal and skin traction, arthroplasty, wound dressing, hand fractures, forearm fractures, humerus fractures, shoulder circumference fractures, shoulder dislocation, foot fractures, leg fractures, knee circumference fractures, femur fractures, hip fractures, pelvis fractures, vertebral fractures.

TFC 504 Urology Internship

Examination methods, normal male sexual functions, fertility-sterility, uro-genital system anomalies, upper urinary system obstructions, lower urinary system obstructions kidney tumors, prostate cancers, bladder tumors, testicular tumors, prostatic hypertrophy, urinary system stone disease, prostate , vesicuta . nonspecific infections of seminalis and urethra, urinary system tuberculosis, urogenital system traumas, penile deviations, intrascrotal masses, urinary system infections.

TFD 507 Physical Medicine and Rehabilitation Internship

Classification of rheumatic diseases, rheumatoid arthritis, ankylosing spondylitis and seronegative arthritis, osteoarthritis, AER, metabolic and endocrine arthritis (gout, pseudogout, ochronosis), collagen tissue diseases, infectious arthritis, discopathies, physical therapy agents, massage and exercise, peripheral nerve injuries, paraplegia and its rehabilitation, poliomyelitis and its rehabilitation, cerebral palsy and its rehabilitation, hydrotherapy

TFD 508 Radiology Internship

X-ray physics, US-RGD physics, MRI physics, angiography-DSA physics, CT physics, respiratory system examination methods and PA AKC. evaluation of radiography, general radiological concepts of the respiratory system and elementary lesions, inflammatory lung diseases and COPD, lung tumors, mediastinal diseases, central nervous system examination methods, cranial radiography, GIS anatomy, esophagus diseases, stomach-duodenum diseases, small intestine diseases, large intestine diseases, ERCP, acute abdomen, infectious diseases of the urinary system, tumors of the urinary system, radiological approaches in prostate diseases, biliary system examination methods, radiological algorithm, MR clinical applications, MR angiography, contrast agents in MR, MRI applications in the musculo-skeletal system, gastrointestinal MRI applications in the system, DSA clinical applications, intravascular interventional treatments, intravascular treatments of aneurysm AVMs,

chemo embolization, percutaneous approaches in GIS diseases, angioplasty.

TFC 506 Anesthesia and Reanimation Internship

Premedication, anesthesia, intubation and its complications, anoxia, neuromuscular conduction and neuromuscular blockers, cardio-pulmonary resuscitation, spinal anesthesia, local anesthesia and local anesthetics, blockages, drowning and their treatments, poisoning, blood groups, blood transfusion (massive blood transfusion, complications and treatment), pain and pain management, approach to the patient in the intensive care unit, anesthesia in cardiac surgery, O₂ therapy, nonsterization in anesthesia

TFC 505 Thoracic Surgery Internship

Thoracic anatomy, radiology, thoracic traumas, tracheo-bronchial foreign bodies, esophageal foreign bodies, infectious diseases and surgery of the lung and pleura, chest deformities, parasitic diseases and surgery of the lung, lung and intrathoracic congenital pathologies, mediastinal benign and malignant pathologies, esophagus benign and malignant pathologies, lung cancers and surgery

TFC 508 Plastic Surgery

Introduction to plastic and reconstructive surgery, its development and history, physical characteristics of the skin, incision techniques, normal wound healing, wound healing disorders, tendon and nerve healing, grafts and their applications (skin, bone, muscle, etc. grafts), flaps classification and applications (skin, muscle, muscle-bone-skin flaps, free flaps), embryological development of the face, cleft palate and lip, benign skin tumors, hemangiomas, malignant skin tumors, malignant melanoma, maxillofacial traumas-1 (soft tissue traumas), maxillofacial traumas-2 (facial bone fractures), thermal injuries and chemical burns, congenital anomalies (hand, ear, genitourinary anomalies), pressure sores, postoncological reconstruction and tissue expansion applications, temporomandibular joint diseases, suture materials and suture techniques, hand surgery and microsurgery applications, cosmetic surgery

TFD 506 Nuclear Medicine Internship

General definition of nuclear medicine, structure of atom and definition of radioisotope concept, radioactivity, radioactivity types and radiation units, imaging types in medicine, what is SPECT, thyroid scintigraphy and other imaging methods of thyroid, parathyroid and adrenal gland scintigraphy, bone scintigraphy, osteomyelitis scintigraphic findings, I- Whole body scan with ¹³¹I, bone densitometry, scintigraphic examination of bone metastases, biliary tract scintigraphy, liver-spleen scintigraphy, gastrointestinal scintigraphy, scintigraphic examination of cardiac functions, scintigraphy in infectious diseases (leukocyte scintigraphy), radionuclide venography and thrombocyte renal scintigraphy, dynamics, and RVH with captopril, tatis scintigraphy, radionuclide hysterosalpingography, lympho-scintigraphy, scintigraphic tumor imaging, myocardial perfusion scintigraphy, brain SPECT, treatment in nuclear medicine, PET.

TFC 507 Neurosurgery Internship

Patient examination, diagnostic methods, vascular diseases, trauma, spinal lesions, tumors, pain and treatment, peripheral nerve injuries

TFD 509 Clinical Pharmacology Internship

Selection of personal drug list, treatment selection, case evaluation and prescribing, prescribing, introduction to clinical pharmacology.

FAMILY MEDICINE PERIOD (SEMESTER VI)

Family Medicine Semester (6th Year):

The aim of the education program in the Family Medicine period is to have the student make clinical applications of the theoretical and practical knowledge acquired in previous years, to provide the student with experience and skills in the application of the art of medicine, and to bring the doctor candidate to the level where he can apply this art in the best way when he is alone.

Clinical and polyclinic practices in the family period are organized by dividing the following sections.

1.	TFC 601 Emergency	2 Month
2.	TFD 601 Internal Medicine	2 Month
3.	TFC 602 Gynecology and Obstetrics	2 Month
4.	TFD 602 Child Health and Diseases	2 Month
5.	TFD 603 Public Health	2 Month
6.	TFDS 601 Internal Sciences Elective	1 Month
7.	TFCS 601 Surgical Sciences Elective	1 Month

Total: 12 Month

To be considered successful in this period;

a) To complete the period in each unit of the above-mentioned segments, to have actually worked in the relevant clinics and polyclinics, to have had a sufficient number of births under supervision personally, to have completed the incomplete studies due to obligatory circumstances,

b) At the end of each practical internship, to have received the qualification documents from the head of the relevant department showing that the internship has been successfully completed and the required shifts have been taken, is essential.

For each of the internships during the family medicine period, the grade given to the students as "Successful" or "Failed" is sent to the Registrar's Office by the Dean of the Faculty. Students who fail in one or more of the Family Medicine internships are given the right to repeat the failed internship/internships until they are successful. Those who successfully complete the family medicine period are given a Doctor of Medicine diploma without applying another exam.