Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
BSC 100	Basic Science Course 100	-	-	50	Compulsary

Will be able to define the basic concepts related to the structure, structure and functioning of the cell. Will be able to explain basic genetic concepts. Will be able to explain biochemical metabolic pathways. Will be able to define microbiological concepts. Will be able to describe the anatomical structure of organs and structures of the organism. Will be able to define the basic concepts related to the structuring and functioning of tissues. Will be able to comprehend the microscopic structures of normal tissues and organs. Will be able to explain the mechanisms of biochemical synthesis. Will be able to comprehend the physiological mechanisms of the organism. Will be able to define biophysical concepts. Will be able to explain basic anatomical concepts. Will be able to explain the concepts of emergency approach to the patient. Will be able to define important health problems and basic health services in Turkey and in the world. Explain the embryonic development process. Will be able to describe the anatomical structure of organs and structures of the organism. Will be able to describe the historical development of medicine and ethical rules. Will be able to comprehend the relationship between science and medicine. Gain knowledge about the coexistence of medicine and philosophy, whose common areas are human. To be able to count from which germ leaves the cardiovascular system is formed and in which weeks of development. To be able to define anomalies and malformations that may occur during septation of the heart. To be able to describe the anatomical and histological structure of the heart, to explain its functional properties. To be able to tell the contraction mechanisms of the heart muscle. To be able to comprehend the regulation of heart work. To be able to explain the ECG, to count the differences in the postnatal vascular system and to define the vascular anomalies and malformations. To be able to tell the histological features of the vessels forming the arterial system. To be able to describe the functional properties of arteries, arterioles, capillaries, venules, veins and lymphatic systems. To be able to tell histological features, electron microscopic structure and membrane receptors of endothelial cells. To be able to explain the anatomical, histological and physiological features of the lymphatic system. To be able to explain blood flow, blood pressure and its regulation mechanisms and its connection with related physical laws. To be able to explain fetal, pulmonary and coronary circulation. To be able to define the lymphoreticular system. To be able to tell from which germ leaves of the respiratory system and in which week of development it starts to differentiate. To be able to describe the anatomical, histological and physiological features of the respiratory system. To be able to tell the blood – air barrier and the characteristics of Type II alveolar cells. To be able to describe the properties and functions of blood and cells. Interpret hypoxia and respiratory types, hypo/hypercapnia features. To provide a problem-based approach to diseases.To be able to interpret the digestion and metabolism of nucleoproteins and to evaluate their relationship with diseases. To be able to interpret both synthesis steps, defects and clinical findings. To comprehend the metabolism of inorganic compounds in the body and their importance in clinical situations. To define the structural features of microorganisms (virus, bacteria, fungus, parasite). to be able to explain. To be able to comprehend the knowledge of bacterial metabolism and physiology. To be able to explain the terms and methods of sterilization and disinfection. To be able to comprehend the information about bacterial genetics. To be able to define antimicrobial drugs and resistance mechanisms. To be able to explain antibiotic susceptibility testing methods. To be able to define microorganism antigens and antigen-antibody reactions and immune response to infectious agents. To be able to define the basic concepts of immunology and the general defense ways of the host. To explain the concepts of antigen and antibody, to list the characteristics of antigen-antibody coupling and the basic principles of related tests. To be able to evaluate the basic elements of the communication process. To be able to count the points to be considered in basic life support and removal of an object from the airway. To be able to define first aid, to explain 112 and emergency aid systems, to tell the first aid steps in different frequently encountered situations. To be able to tell the first aid methods to be used in cases of unconsciousness and circulatory system deterioration. To be able to explain the principles of bleeding control and wound care. To be able to tell the microscope types and working principles. To be able to describe the forms of cell divisions. To be able to tell the adaptation mechanisms of cells to stress. To be able to describe the formation processes of necrosis and apoptosis, histologically observed changes in the cell and the process of destruction of residues. To be able to count the histological structure of cell membrane, organelles, nucleus and inclusions. To be able to count the steps of histological follow-up. To be able to explain the concept of professionalism that they will apply throughout

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
their professional life. To be able to evaluate the unity of medicine and philosophy, whose common areas are human. To comprehend the general information about the bones in our body and to be able to tell the locations, types and functions of the bones. To comprehend the general information about the joints in our body, to be able to tell the places, types and functions of the joints. To be able to evaluate the relationship of anatomical information about bone with clinical conditions. To be able to evaluate the relationship of anatomical information about the joint with clinical conditions. To be able to tell the types of cover epithelium from which germ leaf it develops and its features. To be able to define the gland epithelium and connective tissue, to explain from which germ leaf it develops. To be able to tell the cells, components, types of cartilage tissue and from which germ leaf it develops. To be able to tell the cells, components, types of bone tissue, from which germ leaf it develops. To be able to define the organic and inorganic matrix of bone tissue. To be able to define the structure of the joints. To be able to explain the electrical properties and electrical equivalent models of the membrane and cell. To evaluate the reason and necessity of the biological potential difference, to calculate the cell potential with different models and to find the ion currents. To be able to explain the physical properties of sound and ultrasound generation, the importance of piezoelectric effect in ultrasound generation. To be able to tell the areas where ultrasound is used in medicine and its purposes. To be able to talk about piezoelectric structures in tissue, to explain invasive and non-invasive techniques in the healing of bone fractures with bone electric current. To be able to count the fluid compartments and content differences in the body. To be able to enumerate and interpret the transport mechanisms in the cell membrane. To be able to explain the importance of osmosis, osmotic pressure in the organism. To be able to tell the signal transmission ways in the control of cells with chemical messengers. To be able to explain the basic properties of membrane potentials and action potentials. To be able to tell the general information about the muscles in our body, to tell the places, types and functions of the muscles. To be able to classify the spinal cord and spinal nerves. To be able to understand the anatomy of the axilla and the formation of the plexus brachialis, to tell the branches of this plexus and the muscles they innervate. and the muscles they innervate. To evaluate the relationship of anatomical information about muscles with clinical conditions. To be able to define the biochemical properties of nerve, epithelium, muscle and connective tissue, to explain related diseases. To be able to explain the mechanism of muscle contraction and energy sources. To be able to categorize its properties. To be able to define the neuromuscular interaction, stimulation response and the importance of calcium in the muscle. To be able to define the autonomic nervous system and explain its organization. To be able to define neurotransmitters and their receptors, to tell their synthesis and destruction ways. To be able to explain the functional unit of the nervous system by defining neuron types, glial cells, synapse types, neuromuscular junction. To be able to define the nervous system and to explain the role of myelin in nerve transmission. To be able to explain electrical and chemical events in receptors. To be able to tell the cells, components, types of muscle tissue and from which germ leaf it develops. To be able to tell the cells, components, types of nerve tissue and from which germ leaf it develops. To be able to describe the dermis and epidermis cells with their features. To be able to describe the human embryo development stages.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
ELM 102	Organisational Behavior	(1,0,0)	1	1	Elective
Introduction and description of the lesson. Definition of Organizational Behavior. Conjunctions of Organizational Behavior. Health sector, management and managerial characteristics. Factors to consider in corporate success: Collaboration and performance. Motivation. Job satisfaction. Organization culture. Corporate image and job descriptions. Strategic planning. Mentoring in healthcare institutions. Ethics I. Ethics II.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
ELM 104	Community Services	(1,0,0)	1	1	Elective

Introduction and description of the lesson. The importance of service to society. The importance of cooperation with non-governmental organizations. Practices of cooperation with non-governmental organizations. Project topic selection. Implementation of projects. Presentation of projects. Reporting of projects

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
ELM 106	Health Tourism	(1,0,0)	1	1	Elective

Introduction to Health Tourism. Health Tourism Basic Concepts and Terms. Historical Development of Health Tourism. Types of Health Tourism. Health Tourism Applications (The Case of Turkey). Health Tourism Applications (Examples from the World). Thermal Tourism Definition, Importance and Applications. Medical Tourism Definition, Importance, Characteristics and Applications. Spa-Wellnes Tourism Definition, Scope, Importance and Applications. Definition, Importance and Applications of Senior Tourism and Disabled Tourism. Importance of Marketing Activities in Health Tourism and Tourism Policies. Student Presentations. Student Presentations – Term Evaluation

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
AIT 121	Ataturk's Principles and History of Turkish Revolution I, II	(2,0,0)	2	2	Compulsary

The reasons that prepared the collapse of the Ottoman Empire and the Turkish Revolution. Disintegration of the Ottoman Empire, Tripoli War, Balkan Wars, First World War. Armistice of Mudros. The situation of the country in the face of the occupations and the reaction of Mustafa Kemal Pasha, the departure of Mustafa Kemal Pasha to Samsun. The opening of the Turkish Grand National Assembly of the National Struggle. Treaty of sevr. The Lausanne Peace Treaty. Atatürk's Principles: Republicanism, Nationalism. Populism, Statism. Secularism, Revolutionism. Abolition of the Sultanate; Proclamation of the Republic; Taking the Election Decision in the First Parliament; Establishment of the People's Party; Ankara Becoming the Capital, Proclamation of the Republic and Reactions; Abolition of the Caliphate (The Emergence of the Problem of the Caliphate and the Events Preparing the Abolition of the Caliphate), Progressive Republican Party and Sheikh Said Rebellion; Law of Takrir-i Sukun; Closing the Progressive Republican Party; İzmir Assassination Attempt), Free Republican Party and Menemen Incident; An Overview of Atatürk-Inönü Separation, Revolutions and Their Goals; Revolutions in Law; 1924 Organization-ı Esasiye Law; Adoption of the Turkish Civil Code; Adoption of Other Basic Laws; Revolutions in Women's Rights, Education and Culture; The Law of Unification of Education; Adoption of the New Turkish Alphabet; New Understanding of History and Language; From Darülfünun to Istanbul University; Fine Arts, Developments in Economics; Late Ottoman Economy; Turkish Economy Congress and Its Results; Economic Activities in the First Years of the Republic; Transition to the Practice of Statism, Revolutions Made in Social Life (Modernization in Clothing: The Law on Wearing Hats; Closure of Lodges, Zawiyas and Tombs, Adoption of International Time, Calendar, Numbers, Measurements and Week Holidays; Adoption of the Law on Surnames; Developments), Turkey's Foreign Policy in Atatürk Era; Years 1919-1923; Years 1923-1930, Going to the Second World War and Turkish Foreign Policy 1931-1939, Principles of Atatürk; General Overview of Atatürk's Principles; Republicanism, Nationalism, Populism, Statism, Secularism, Revolutionism, İsmet İnönü Period (1938-1950); Domestic Policy During the Second World War; Establishment of the Democratic Party, Democratic Party Period (1950-1960); May 27 Military Intervention and National Unity Committee.

Ders Kodu	Ders Adı	(T,U,L)	Kredi	AKTS	Zorunlu/Seçmeli Ders

ING121	İngilizce I-II	(3,0,0)	3	4	Zorunlu

Kendinizi tanıtma, kişisel bilgi verme, nesneler hakkında konuşma, aile hakkında konuşma, binaları ve mobilyaları tanımlama ve konuşma, programlar hakkında konuşma, rutinler hakkında konuşma, yetenek, yön sorma ve verme, yemek ve miktarları hakkında konuşmak. Bir tarifi açıklamak, yemek sipariş etmek ve istekte bulunmak, bir şeyleri/kişileri/yerleri karşılaştırmak, şimdiki zaman hakkında konuşmak, önerilerde bulunmak ve düzenlemeler yapmak, geçmiş hakkında konuşmak, geçmişteki olaylardan bahsetmek, öğüt vermek, gelecek hakkında konuşmak, bir otelde yer ayırtmak üzerine konuşmak.

Not: Bu ders öğretim dili Türkçe olan yıllık fakülteler içindir.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
TUR121	Turkish I-II: Written Expression	(2,0,0)	2	2	Compulsory

Reading passages related to the chapter; grammar studies; vocabulary and translation activities; listening activities; debates on current issues related to the department (Repetition of tenses, Internet history, Health and medicine, passive frameworks, Social issues, Environmental problems, Repetition of moods, Law and punishment, repetition of adjective clauses, Language and Literature, Repetition of noun clauses. Spelling, punctuation and composition (punctuation marks, other signs) , Spelling, spelling rules (capital letters, spelling of numbers, spelling of abbreviations, spelling of quoted words) , Composition (purpose of composition, method of writing composition), plan in composition, introduction, development, conclusion, Expression features, Clarity in expression, simplicity in expression, sincerity in expression, Expression disorders (using synonymous words in sentences), Misuse of idioms, Expression styles (explanation, story, concise expression, description, satire, portrait, proof, speech, types of verse expression) , Types of oral expression (daily and impromptu speaking, prepared speech, panel discussion, panel), Written expression (letter, telegram, greeting, invitation, literary letter), business letters, official letter, petition, report, report, decision, announcement, advertisement, conversation, criticism, memoir, travel article, interview, survey, autobiography, biography, novel , story, fable, fable, drama, tragedy, drama, screenplay).

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
BSC 200	Basic Sciences Course II	-	-	56	Compulsary

Methods of medicine, basic concepts and approaches of medical ethics, physician-patient relationship (evolutionary development and current situation, expected physician-patient relationship), legislation for the practice of the profession of medicine. How the nervous system develops from which germ leaves, in which week. Anatomical locations of central nervous system structures. Histological features of central nervous system cells. How the motor and sensory functions of the nervous system occur at the level of the spinal cord, brain stem and cortex. Cranial Nerves. Histological structure of the cerebellum, its anatomical structure, its role in motor control and motor learning, and related mechanisms. Histological structure of medulla spinalis, descending-ascending pathways. spinal reflexes, anatomy and visual pathways, ear anatomy and auditory pathways, physiological mechanisms of vision and hearing. Autonomic nervous system. Physiological mechanisms of higher functions of the nervous system, such as the conditioned reflex, learning and memory. EEG and electrical properties of the brain. From which germ leaves the cardiovascular system is formed, in which weeks of development. Anomalies and malformations that may occur during septation of the heart. Anatomical, histological structure, functional properties of the heart. Contractile mechanisms of the heart muscle. Regulation of heart work. ECG . Variations in the postnatal vascular system and Vascular anomalies and malformations. Histological features of the vessels forming the arterial system. Functional features of arteries, arterioles, capillaries, venules, veins and lymphatic system. Histological features, electron microscopic structure and membrane receptors of endothelial cells. Anatomical, histological and physiological features of the lymphatic system. Blood flow, blood pressure and regulation mechanisms, its connection with the relevant physical laws. Fetal, pulmonary and coronary circulation.

lymphoreticular system. From which germ leaves of the respiratory system and in which week of development it begins to differentiate. Anatomical, histological and physiological features of the respiratory system. Blood – air barrier, Characteristics of Type II alveolar cells. Properties and functions of blood and its cells. Types of hypoxia and respiration, hypo/hypercapine properties. From which germ leaves and at what stage of development the endocrine organs differ. Anatomical, histological structures and physiological functions of endocrine organs (hypothalamus, pituitary, thyroid, pancreas, adrenal gland, etc.). General mechanisms of action of hormones, homeostatic control systems, negative and positive feedback mechanisms. Biochemical properties and mechanisms of action of hormones. From which germ leaf does the urinary system develop and when? Anatomical, histological structure of kidney, bladder and ureters. Physiological functions of kidneys, their connections with other systems in maintaining homeostasis. From which germ leaf of the genital system, when does it develop. Differentiation of the genital tract in men and women and the hormones involved. Male and female genital organs. Histological changes in the ovarian cycle . gametogenesis. Mechanisms of pregnancy, lactation, menopause. Male reproductive system functions. Mechanisms that provide bladder functions and control. Clinical findings related to endocrine system dysfunctions (diabetes, hypothyroidism, hyperparathyroidism etc.). Principles of Professional Ethics, the rules of the doctor-patient relationship. Causes of diseases (genetic, developmental, metabolic, toxic, microbiological, autoimmune, neoplastic, degenerative, traumatic, etc.). The most common clinical, laboratory, radiological and pathological findings of common diseases in the community. Mechanisms of damage caused by diseases in cells, tissues and organs, structural changes and development of diseases over time. Effect of drugs used in treatment, mechanism of action (pharmacodynamics), side effects, pharmacokinetic properties, drug-drug interactions, indications and contraindications for use. Microbiological mechanisms of infectious diseases and basic preclinical infection knowledge. Ethical concepts and principles of the art of medicine and ethical problems that may arise. Health services and problems in TRNC and Turkey, application areas and usage areas of epidemiological studies.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
ELM 206	Medical English	2,0,0	2	2	Elective
To learn the vocabulary and grammatical structures used in taking a history, clinical examination and case studies. Pronouncing related terms and terminologies fluently and accurately.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
ELM 208	Introduction to medicine	2,0,0	2	2	Elective
Time management . Communication Skills I . Communication Skills II . Effective Presentation Techniques I. Teamwork . Be active Be happy. Mathematics and Medicine. Cinema and medicine. Music and medicine. tracking. Medical Drawing. Sexual Rights and Reproductive Health. History of Medicine. four horsemen of the apocalypse					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
BSC 300	Basic Sciences Course III	-	-	56	Compulsary

The importance of primary health care institutions and their place in health services. Services provided in the Community Health Center, management functions. Historical processes of health policies in TRNC and Turkey. Central and provincial health organization. Health financial resources, health expenditure dimensions. Epidemiological criteria, making comments by calculating the criteria, the basic strategy of epidemiology. Basic features of descriptive research, criteria of causality, and sampling by comparing analytical researches in terms of their characteristics. Main features and criteria of intervention studies. Basic features and criteria of methodological research. The concept of health promotion, methods that can be used in health promotion. The concept of communicable diseases, classification of communicable diseases according to transmission routes, prevention methods for the prevention of communicable diseases according to transmission route. Vaccines in the childhood, pregnant and adult age vaccination calendars, doses and administration schedule in TRNC and Turkey. Cold chain, cold chain elements. Basic concepts in infectious

diseases epidemiology, principles of infectious diseases surveillance. Grouping of notifiable infectious diseases. Epidemic investigation steps, epidemic investigation principles and epidemic control measures. Post Vaccine Adverse Effect Notification System. Occupational Health and Safety situation in TRNC, Turkey and the World. Occupational Health Epidemiological Criteria. The concept of Occupational Hygiene, workplace environment factors and measurement methods. The concept of Occupational Disease and its risk factors. The concept of occupational accident and the risk factors that cause it. Emergency concept and causative factors, Health Service components in Emergency Situations. Community Mental Health components and risk factors. The concept of addiction and risk factors. The concept of environmental impact, the concept of environmental disease, environmental impact types and environmental factors that may affect health (air pollution, water pollution, wastes....etc). Chronic diseases and ways of prevention. The concept of early diagnosis and early diagnosis methods for chronic diseases. Relationship between nutrition and health, what should be done for proper and regular nutrition and its exemplification. School and adolescent health. In terms of child health, healthy child examination, steps of healthy child examination. Reproductive health concept. Demographics concept. Health problems brought about by the aging of society. Health protection and promotion. Basic features of infectious diseases. Infectious diseases pathology. Disease-causing mechanisms of bacteria, viruses and parasites. Determining the areas to be sampled for diagnosis in infectious diseases. Microorganisms causing infection according to systems. Importance of infectious diseases in terms of public health. Diseases caused by infectious agents, their mechanisms. Importance and social dimension of infectious agents. Concepts of embryonal stem cells, induced pluripotent stem cells and hematopoietic stem cells, relationships between hematopoietic stem cells and bone marrow microenvironment, bone marrow structure and functions. Be able to approach for bone marrow failure, clinical and laboratory findings, common causes of bone marrow failure, preliminary diagnosis and differential diagnosis. Common causes of anemia in childhood and adulthood, clinical and laboratory findings, differential diagnosis among the causes of anemia, Iron metabolism physiology and frequently detected clinical-pathological conditions in iron metabolism, clinical and laboratory findings, Etiological factors of iron deficiency anemia, clinical and laboratory findings and its differential diagnosis, treatment methods, treatment follow-up, risk groups and preventive measures and treatments for iron deficiency. Megaloblastic and macrocytosis, megaloblastic and macrocytosis etiological factors, absorption, transport and reactions of cobalamin and folic acid involved in the physiopathology of megaloblastic anemia, pathological clinical conditions in cobalamin and folic acid metabolism, clinical and laboratory findings, diagnosis and treatment methods, cobalamin and folic acid metabolism. daily requirement for folic acid. Risk groups and protective measures for cobalamin and folic acid deficiency. Within the scope of hemostasis physiology, coagulation and fibrinolysis physiology, congenital or acquired primary and secondary hemostasis disorders, clinical and laboratory findings, differential diagnosis between bleeding disorders, examination approaches in a bleeding patient, and interpretation of first-line diagnostic tests. Concepts of hemolysis and hemolytic anemia, etiological factors of hemolysis and classification of hemolytic anemia, differences between immune and non-immune hemolysis, differences between intravascular and extravascular hemolysis, clinical and laboratory findings and diagnostic methods in a patient with hemolytic anemia, other diseases that can be confused with hemolytic anemia. Clinical and laboratory findings of hereditary hemolytic anemia, the physiological role of the erythrocyte membrane skeleton, the names of important membrane proteins and how their deficiency affects the shape and membrane of the erythrocyte, the mechanism of hemolysis in hereditary spherocytosis and the role of the spleen, hereditary spherocytosis and eliptocytosis clinical and laboratory findings and complications, erythrocyte enzyme deficiencies should be able to classify erythrocyte enzyme deficiencies, physiopathological, clinical and laboratory features of hereditary hemoglobin diseases and thalassemia syndromes, differential diagnosis and treatment methods, preventive methods. Thrombotic events frequently detected in childhood and adult patients, physiopathological development of thrombosis, clinical and laboratory findings, risky conditions for thrombosis and prevention methods. Blood components and their basic properties, additional procedures applied to blood components and their requirements, indications for blood component treatment, basic principles to be followed during transfusion of blood components and possible side effects. 11. Define myeloproliferative diseases, comprehend the pathophysiology of myeloproliferative diseases, know the clinical and laboratory features of myeloproliferative diseases, list the necessary diagnostic tests for myeloproliferative diseases and how the tests are interpreted, and make the differential diagnosis of myeloproliferative diseases. Lymphoma pathophysiology, clinical and laboratory findings, diagnostic methods. Plasma cell dyscrasias, the common features of the diseases in this group and the different aspects,

clinical and laboratory findings, diagnostic methods. Factors that play a role in the etiopathogenesis of neoplasia, cytopathology, genetics and physiopathology of cancer, basic definitions. Common cancers, their importance in terms of public health, diagnosis, early diagnosis methods and the importance of early diagnosis, diagnostic methods. Laboratory methods used in cancer diagnosis, microorganisms that may cause infection in immunosuppressive patients, viruses with oncogenic potential and their contributions to pathogenesis. Cancer treatment principles, pharmacokinetics, pharmacodynamics, effects, complications of chemotherapy, surgical approaches from other treatment methods used in cancer treatment, treatment options with radiotherapy. Environmental factors that may affect health (air pollution, water pollution, wastes, etc.), chronic diseases and ways of prevention, early diagnosis and early diagnosis methods for chronic diseases, the relationship between nutrition and health. Normal lymph node histology and basic reactive lymphadenopathy patterns. Lymphadenitis and types. Common causes of lymphadenopathy, Lymph node and spleen tumors. Common causes of spleen enlargement, hypersplenism and its causes, Hodgkin lymphoma etiopathogenesis, histological classification, clinical features, staging. Basic classification of non-Hodgkin lymphomas and characteristics of different types. Differential features of Hodgkin and non-Hodgkin lymphoma. Histiocytic and dendritic cell neoplasms. Basic features of Langerhans cell histiocytosis. Prevalence and importance of respiratory and circulatory system diseases, Viral, bacterial and fungal infection agents and differences that cause respiratory tract infections. Physiopathology and symptomatology of upper and lower respiratory tract diseases. Symptomatology of upper respiratory tract problems such as hoarseness, nasal congestion, obstruction. Physiopathology and symptomatology of ear pain and discharge. Larynx-pharynx diseases and lymphoid tissue pathologies, Autonomic nervous system pharmacology. Names, effects, mechanisms of action, indications and contraindications of sympathomimetic, sympatholytic, parasympathomimetic and parasympatholytic drugs, Steps to be followed during respiratory and circulatory system examination and approach to the patient. Physiopathology of infectious diseases of the lung and circulatory disorders, Obstructive lung diseases, tuberculosis and lung tumors, Pathology and radiological evaluation of mediastinal diseases. Normal heart sound, cyanosis and murmurs and their clinical significance. Fetal circulation, neonatal circulation, its differences. Clinical and differential diagnosis of cardiac pathology and problems in adults and children. Physiopathology, clinical signs and radiology of heart valve diseases, Pathology of endocardium, myocardium and pericardial diseases. Physiopathology and symptoms of heart failure, Importance of hypertension, diagnosis, complications, treatment options and prevention methods, Etiopathogenesis, diagnosis and treatment of vascular diseases, In diseases of the circulatory and respiratory system pharmacokinetics, pharmacodynamics, effects, indications, contraindications, adverse effects and drug interactions of effective drugs. Physiopathology and symptomatology of coronary circulation and coronary artery diseases. Biochemical tests used in the diagnosis and monitoring of heart diseases. Steps of cardiopulmonary resuscitation. Importance of infectious agents and social dimension. Gastrointestinal and hepatobiliary systems and nutritional terminology and symptomatology, Evaluation and pathology of mouth and salivary gland diseases. Physiopathology, pathology and features of diseases of esophagus motor dysfunctions and reflux. Pathology of stomach diseases, functional disorders and mechanisms of action of drugs used in peptic ulcer. Immunological basis, pathology and radiology of small intestine and large intestine diseases. Approach to diseases on the basis of acute and chronic abdominal pain, radiological and pharmacological evaluation. Pathology of diseases of the liver, biliary tract and pancreas, Symptomatology, biochemical and radiological evaluation, Clinical approach to childhood liver diseases. Pathologies and clinical evaluation of gastrointestinal system tumors, Importance of nutrition, basic concepts and frequency of nutritional deficiencies and the markers affecting them. Laboratory diagnosis of microorganisms causing gastrointestinal tract infection and methods used. Terminology and symptomatology of endocrine, reproductive and urinary systems, Hormonal physiology of the pituitary, hypothalamus, pharmacological properties of hormones, pathology, clinical findings of diseases of these glands, Functional physiology of the thyroid gland, effects of hormones in childhood and adulthood, Diseases associated with the thyroid gland, mechanism of formation, pathologies and clinical features and diagnostic methods.The mechanism of formation of diseases of calcium metabolism in adults, laboratory and imaging findings, clinical features and drugs used in the treatment of mineral disorders. The formation mechanism, biochemistry, pathology and clinical features of congenital and acquired diseases of the adrenal cortex and medulla, and corticosteroid and mineralocorticoid drugs used in the treatment of these diseases. The formation mechanism, biochemistry, pathology, clinical findings of glucose metabolism diseases in childhood and adults. Acute and chronic diabetes mellitus complications, clinical features. Pharmacological properties of insulin hormone and drugs used in the treatment of diabetes mellitus, The causes of obesity in

childhood and adults should be listed, its formation mechanism, neuroendocrine control of energy metabolism and antiobesity drugs, The importance of obesity in terms of public health, its problems and social measures that can be taken (Public Health). Growth physiology and disorders. Physiological features of puberty and puberty disorders. Disorders of gonadal hormones, biochemistry, causes of male hypogonadism, clinical features. Diseases of menstruation and ovulation disorders. Pathological features of inflammatory and neoplastic diseases in female genital system organs. Fetal and placental physiology. Placental and trophoblastic diseases. Pregnancy and lactation physiology, pregnancy formation. Screening tests in pregnancy and prenatal diagnostic tests. Genetic counseling methods. Normal birth physiology and mechanism. Symptoms in gynecology, clinical and imaging diagnostic methods. Reproductive physiology, infertility and its classification, diagnostic methods. Contraception methods, Pharmacological agents used in birth control. The concept of gender in social terms, the importance and problems of reproductive health. Tests used in the diagnostic approach in kidney diseases. Approach to urinary system symptomatology, Renal hemodynamics and urine formation. Mechanisms forming acid-base balance. Fluid and electrolyte system disorders. Pathologies of urinary system diseases Diagnosis, pathologies and clinical findings of glomerular diseases. Approach to the proteinuric and hematuric patient, Approach to the patient with edema, Diuretics, drugs used in the treatment of fluid-electrolyte balance disorder and acid-base balance disorder, mechanism of action, pharmacokinetics, toxic effects, drug interactions and clinical uses. Congenital anomalies of the urinary system and their diagnosis. Mechanisms of hypertension, primary and secondary causes, tests to identify secondary causes. Results of acute and chronic renal failure. Specific and nonspecific infections of the urinary system. Urinary system stones and clinics. Pathologies of tumors of the urogenital system. Imaging methods that can be used in the diagnosis of urinary system diseases. Biochemical and psychodynamic basis of behavior. Psychiatric disorders such as mood disorders, neurocognitive and sleep disorders, alcohol and substance use disorders and psychoses, anxiety disorders, obsessive-compulsive disorder (OCD), trauma and stress-related disorders (abuse predominantly). Physical, psychosocial and cognitive development of the child. Syndromes that cause sensory and motor system disorders, Balance and hearing physiology, vestibular system and symptoms and physical examination findings in pathologies that cause hearing loss, distinction between central and peripheral vertigo and differential diagnosis in hearing loss. Symptoms and physical examination findings in pathologies causing eye disorders. Common vascular, degenerative and demyelinating diseases of the central nervous system. Microbial factors causing infection in the nervous system. Explain the mechanisms of disease, describe the diagnosis methods, prevent and control methods from these infectious agents. Classification of epileptic seizures and syndromes in children and adults. Primary and secondary causes of headache, current treatment approaches. Peripheral neuropathy symptoms, mechanism and clinic of common etiological causes. Pathogenesis, clinical signs and symptoms of childhood and adult muscle diseases. Mechanisms of action of drugs used in nervous system pharmacology. Central nervous system radiological examination methods. Central nervous system tumors, clinical findings. Community Mental Health components and risk factors. The concept of addiction and risk factors. Etiopathogenesis of skin diseases, signs and symptoms of skin diseases, Diagnostic methods of skin diseases. Analysis of normal gait, gait abnormalities and joint structures, Functions of the musculoskeletal system, Etiopathogenesis of diseases affecting the musculoskeletal system, Symptoms and signs of diseases and traumas affecting the musculoskeletal system, Laboratory used in the diagnosis and follow-up of diseases and traumas affecting the musculoskeletal system, radiological and nuclear medicine examinations, fracture complications, mechanism of action of analgesic, antipyretic and anti-inflammatory drugs, prescribing techniques, importance of physical activity for a healthy life,

Course Code	Course Name	(T,I,L)	Credit	ECTS	Compulsory/Elective Course
QHA302	Quality of Health and Accreditation	(2,0,0)	2	2	Compulsary/Elective Course

The concept of quality in Health Services: Definition, philosophy, importance in terms of health services, Quality control, quality assurance, improvement of quality, Continuous improvement of quality in health, teamwork, History of Total Quality Management, Implementation of quality management: Deming Cycle and PUKO concept, for Total Quality Management methods: Accreditation, Standardization, Benchmarking, Total Quality management: Responsibilities of Management, Total Quality management: Patient orientation, Patient rights, patient satisfaction, Total quality management: Employee participation, Patient and employee safety, Accreditation, certification and quality features in Health Services, Health service quality accreditation standards, Joint Commission International Standards

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
ELM 304	Music and Medicine	1,0,0	1	1	Elective

History of music I, History of music II, Music in the Ancient Age, Music in the Middle Ages, Music in the New Age, Modern Music, Music and philosophy, Medicine and music relationship, Music therapy in the world and in Anatolia I, In the World and in Anatolia therapy with music II, Physician-based musicians in the world, physician-based musicians in TRNC and Turkey.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
ELM 310	Elocution	1,0,0	1	1	Elective

The importance of effective and beautiful speaking in our lives, Using both verbal and bodily expressions of communication. Expressing emotions and thoughts in an understandable way. The importance of pronunciation and pronouncing the words correctly for correct communication, Being able to evaluate the listened speeches in terms of diction as well as the speeches made.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
CAR 400	Cardiology	-	-	5	Compulsary

The most common heart diseases in the community, their treatment and guidance when necessary. Basic information in the diagnosis of heart diseases, the most appropriate drugs in the treatment, drug side effects and contraindications. Pathophysiology of valve diseases, clinical manifestations, physical examination findings of the disease. ECG, lung graph, biochemical and hematological tests, to be able to diagnose heart diseases. Identifying patients with coronary artery disease or risk group and referring patients to higher institutions for further examination. Diagnosing acute coronary syndrome, performing emergency and basic treatment and applications. To be able to recognize acute pulmonary edema, one of the emergency cardiac conditions, with necessary examinations and examinations, and to fulfill the basic elements required in emergency treatment. Basic principles of all common arrhythmias, especially fatal arrhythmias. To be able to diagnose heart failure, to make differential diagnosis of dyspnea and to apply necessary treatments. The main issues to be done in a hypertensive patient, to be able to treat the hypertension patient, to decide on the most appropriate drug selection, to count the complications that may occur. Symptom, examination findings and diagnostic techniques of adult heart diseases. to have sufficient knowledge, to have the necessary basic knowledge about the identification and treatment of emergencies that may cause syncope. To be able to make the differential diagnosis of diseases such as infective endocarditis and pericarditis. To have knowledge about the treatment and prevention of these diseases.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
GNO 400	Gynecology and Obstetrics	-	-	10	Compulsary

Anatomy, gynecological and obstetric physiology of the female reproductive system. The effects of disorders in female reproductive system endocrinology on disease formation. Symptoms, examination findings, examinations and treatment options in gynecological diseases. Changes in puberty in the female genital system and examinations and tests that should be done in pathologies related to puberty. Appropriate treatment options. Changes in menopause and screening, diagnosis and treatment of diseases with increased risk in this period. Diagnosis and treatment of diseases and complications in pregnancy. Differences in birth methods. Symptoms and examination findings in cancers originating from female genital organs. To whom and how often to be screened in female genital cancers, as well as to where they will be referred in female genital system cancers. Basic information about contraception, comparison of advantages, disadvantages and contraindications of contraceptive methods. Classification, basic examinations and tests and treatment options in patients presenting with urinary incontinence. approaches. Pregnancy diagnosis and pregnancy follow-up in primary care medicine (Leopold's maneuvers and fetal cardiac activity rest), situations that require treatment in the upper center when pregnancy is complicated, what to do in emergency conditions and routine pregnancy examination. Gynecological examination, normal and pathological examination findings and taking smears. Giving birth. Inserting an intrauterine device. Paying attention to patient-doctor communication. Contraception options for incoming couples.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
INM 400	Internal Medicine	-	-	12	Compulsary

To know the causes of diseases. The most common clinical and laboratory findings of common diseases in the community. Treatments of diseases. Use of basic concepts and principles in solving clinical cases. Defining normal and pathological findings and applying treatment with clinical skills training and bedside applications. To apply the ability to make medical decisions and to evaluate these decisions with a critical eye and multidimensional perspective. Interpretation of real-life reflections of theoretical knowledge in case discussion sessions. Being aware of the importance of being respectful in patient-physician relations. Being able to approach patients without prejudice. Evaluate patient information in a scientific and impartial way. To apply the principle of confidentiality and impartiality regarding the personal information of patients.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
PED 400	Pediatrics	-	-	12	Compulsary

General approach to the child patient, preventive health care principles in pediatric patients and common diseases in childhood, diagnosis and planning of treatment. Define the importance of child health monitoring. Common disease symptoms. Physiopathology of common diseases, clinical association, treatment approach. Ways of prevention from common pediatric diseases in our country.Principles of emergency management for the pediatric patient. Assessing the urgency of the pediatric patient. Follow-up principles and importance of healthy children. To apply common interventions for diagnosis and treatment. Evaluate the child together with his family and environment. To obtain a pediatric patient history for diagnosis. To be able to apply special examination methods for children of all ages. To be able to perform the full and detailed physical examination steps appropriate for the age of the pediatric patient. To be able to direct the follow-up of Healthy Children.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
PUL 400	Pulmonology	-	-	5	Compulsary

Basic principles of diagnosis and treatment of pulmonary diseases, Definitions of basic diseases in the field of chest diseases, Pathophysiology of diseases, Distinguishing the differences between diseases by making differential diagnosis, Diagnostic tests (such as respiratory function tests, PA and lateral radiographs), interpreting the results of these tests. Treatment approaches. To be able to take respiratory system anamnesis from the patient. General and respiratory system-specific physical examination. Understanding the

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
importance of chest diseases. Developing patient-physician relationships. Learning the importance of counseling especially in smoking and tobacco cessation.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
RDO 400	Radıology	-	-	2	Compulsary
Evaluation of direct urinary system and standing direct abdominal radiographs. Basic features of respiratory system radiology. Which radiological examination should be requested in emergency patients and in what order. Methods used in CVS radiology. Methods used in CVS radiology. To be able to evaluate the anatomical structure in basic extremity and vertebral radiographs. To be able to evaluate chest radiographs. Defining the basic features of Urinary System Radiology. To be able to request radiological examination according to the algorithm according to the groups of pathologies evaluated in pediatric radiology and the preliminary diagnosis considered in the patient. Radiological methods used in the diagnosis of GIS diseases. Methods used in the diagnosis of CNS diseases. Interpreting the radiological results related to the musculoskeletal system. Characteristics of the methods used in the diagnosis and follow-up of breast diseases, requesting appropriate radiological examination. To be able to list the diagnosis and treatment methods used in the field of interventional radiology. Radiological algorithms to be followed in requesting radiological examination. Evaluation of basic direct x-rays. To be able to diagnose some common pathologies. Communication rules to be followed in informing the patient of radiological examination results.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
SUR 400	General Surgery	-	-	10	Compulsary
Surgical diseases of the gastrointestinal and endocrine systems, breast diseases, emergency surgical diseases and approach to trauma patients. Do not diagnose the patient. Providing appropriate treatment at primary care level. Appropriate referral of necessary patients. Understanding the endocrine response to trauma. The biology of wound healing. Acid-base balance and liquid electrolyte therapy. Asepsis and antisepsis applications used in surgery. Gastrointestinal system diseases, signs and symptoms of these diseases, treatments. Endocrine system diseases and signs and symptoms of these diseases, treatments. Diagnostic laparoscopy and laparoscopic surgical interventions and their complications. Acute burn treatment. Differences between blunt abdominal trauma and penetrating abdominal trauma. Hemostasis, blood transfusion and its complications. Surgical treatment of malignant melanoma. Breast diseases, signs and symptoms of these diseases, treatments. Referral criteria of surgical patients. .					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
ELM 402	Invitrofertilisation	1,0,0	1	1	Elective
History of infertility treatments, Causes of infertility, Embryology and andrology laboratories, Quality control in IVF laboratory, Spermatogenesis and sperm morphology, Tests for diagnosis of male infertility, Sperm preparation protocols, Oogenesis and oocyte morphology, Oocyte collection procedure (OPU), In vitro maturation, In vitro fertilization (ICSI), Fertilization control and zygote scoring, Embryo development arrival, Classic IVF					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
ELM 406	Algorithem and introduction to programming	2,0,0	2	2	Elective
Introduction to Algorithm, Memory, Processing and Primitive Data Types, Formatted I/O, Mathematical Operators and Expressions, Structure program development in C++-Control structures; if Selection					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
statement, Mathematical Operators and Expressions. Build program development in C++-Control structures; Change the multi-select notification. C++ program Control; repetition is required for the repetition statement. C++ program Control; repetition is essential, while phrase repetition. C++ program Control; repetition principles, do-while repetition statements. Functions. One-dimensional Array in C++. Array Identification; and examples. Arithmetic sequence operations.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
ELM 408	Sport Physiology	1,0,0	1	1	Elective
Introduction to exercise and sport physiology. Energy metabolism in exercise. Aerobic energy systems. Anaerobic energy systems. Fundamentals of athletic performance. Exercise tests. Healthy living and exercise. Women and sport. Children and sports. Exercise in the elderly. Nutritional properties in sports. Doping and ergogenic aid. Exercise in diseases. Medical evaluation of athletes.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
ANS 500	Anesthesiology and Reanimation Internship	-	-	2	Compulsary
General, local and regional anesthesia applications and drugs and equipment used, Fluid therapy, blood gas analysis applications. Evaluation of basic treatment approach to pain and poisoning patients. The order of cardiopulmonary resuscitation. Opening the airway and using the related equipment. Opening the vascular access, Placing the central venous catheter, Monitoring the standard patient and interpreting the process, Performing cardiopulmonary resuscitation.					

Ders Kodu	Ders Adı	(T,U,L)	Kredi	AKTS	Zorunlu/Seçmeli Ders
BYC 500	Medical Biochemistry	-	-	1	Zorunlu
To be able to know and evaluate the workflow, pre-analytical variables, analytical and post-analytical processes and quality management in the clinical biochemistry laboratory.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
CPC 500	Clinical Pharmacology Internship	-	-	1	Compulsary
Introduction of the Internship: Learning Principles and Operation, OSCE Exam, Introduction of P(Personal)-drugs / “MAUA” forms, Identification of the target, listing of effective drug groups. Prescribing rules, Drug safety, Effective drug group selection, P-drug, prescribing, What is an equivalent drug? Bioavailability/Bioequivalence concepts, Nonpharmacological treatment, P-drug selection in different cases. OSCE Exam					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
CVS 500	Cardiovascular Surgery Internship	-	-	1	Elective
Coronary Artery Diseases and Surgery, Bedside Cardiovascular Examination, Lower extremity peripheral arterial diseases, CVC Intensive Care Patient Follow-up, Carotid, renal, visceral and upper extremity arterial					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
diseases, Peripheral aneurysms, impingement syndromes, vasculitides, Heart valve diseases and surgery, Arterial system examination, Lower Extremity Peripheral Artery Diseases, Venous system examination, Lymph system diseases, Venous diseases, Congenital Heart Diseases, Cardiovascular Surgery with Cases.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
DRM 500	Dermatology Internship	-	-	6	Compulsary
Elementary lesions of skin diseases, Common skin diseases, Sexually transmitted skin diseases and transmission routes. Topical treatment agents and topical treatment principles. Genetic skin diseases. Risk factors for skin cancers, ways of prevention. Skin cancers. Differential diagnosis of common skin diseases and appropriate treatment planning. Differential diagnosis and treatment of sexually transmitted skin diseases. Differentiation of skin cancers. Evaluation of transmission routes of infectious skin diseases.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
EYE 500	Eye Dissease Internship	-	-	3	Compulsary
Anatomy and physiology of the eye. Developmental anomalies and malformations. Valve diseases, Orbita, diseases and treatment, Conjunctiva, diseases and treatment. Keratoplasty, Cornea, its diseases and treatment. Lens, its diseases and treatment, Glaucoma types and treatments. Differential diagnosis of uveitis and red eye. Retinal vascular diseases and their treatment. Retinal detachment, its treatment and referral principles. The clinical signs and development of strabismus, amblyopia. Refractive defects and their treatments. Refractive surgery application criteria, differences between them. Ocular disorders associated with drug use. Ocular diseases associated with systemic disease. Signs and symptoms of eye tumors. Pupillary diseases signs and symptoms. Optic nerve diseases and symptoms. Diabetic retinopathy formation mechanisms and prevention methods. Ocular diseases associated with isolated and systemic diseases.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
INF 500	Infectious Diseases Internship	-	-	6	Compulsary
To provide sufficient theoretical and practical information to the general practitioner candidate, to gain the necessary attitude, skills and behavior for the approach to orthopedic diseases and trauma patients. To evaluate the diagnosis of congenital orthopedic problems. Diagnosis and primary care treatment of acquired orthopedic problems. Emergency approach to trauma patients. Diagnosis and treatment of extremity traumas in primary care. Extremity Traumas temporary detection application. To be able to perform first intervention to open fractures in primary care. Taking anamnesis from the traumatized patient. Approach and communication to the patient in emergency situations.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
MEG 500	Medical Genetic Internship	-	-	1	Compulsary

Recognizing the basic concepts in genetics, Chromosomal, single gene, multifactorial and mechanisms of somatic diseases such as cancer, Differences in chromosomal, single gene, multifactorial and somatic diseases such as cancer, The formation mechanisms and effective rules of these diseases. Knowing with which inheritance type a disease is passed.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
NCG 500	Neurochirurgie Internship	-	-	3	Compulsary

Basic subjects and principles of neurosurgery, diagnosis and treatment of common diseases. Head and spinal traumas, General characteristics of brain tumors, Degenerative spinal diseases, CRPS and its treatment, Functional neurosurgery, Pediatric neurosurgical diseases, Empathy.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
NEU 500	Neurology Internship	-	-	6	Compulsary

Neurological examination, application to patients, clinical syndrome in cases with neurological deficits. Making the localization and etiological differential diagnosis of the lesion causing biological damage. Principles of approach to common neurological diseases, diagnosis and treatment of these diseases. To be able to make anatomical localizations of clinical symptoms and signs. To be able to explain the etiology, pathogenesis, clinic, diagnostic methods and treatment of common neurological diseases such as headache, cerebrovascular diseases, multiple sclerosis, diabetic neuropathy, carpal tunnel syndrome, dementia, movement disorders, multiple sclerosis, dementia, epilepsy. Areas of use, contraindications, and basic principles of interpreting the results of the diagnostic methods used in neurology (lumbar puncture, electroencephalography, electromyography, neuroradiological examinations). Consciousness disorders, causes and consequences. The concept of brain death. To be able to compare the causes of vertigo. Obtaining neurological anamnesis from patients. Basic principles necessary for establishing neurologic patient-physician communication.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
ORL 500	Otorhinolaryngology-head and neck surgery Internship	-	-	6	Compulsary

Performing otolaryngology and head and neck examination, applying Rinne-Weber, Schwabach and tuning fork tests. Removal of foreign body from the ear. Ear washing, Otitis media types, diagnosis.Deciding on the treatment of otitis media types. Evaluate hearing and balance. Situations causing nasal obstruction, cause-effect relationships of nosebleeds. Putting nasal packing. Recognizing acute upper respiratory tract infections. Choosing treatment in acute upper respiratory tract infections. Recognizing laryngeal obstruction.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
OPT 500	Orthopedics and Traumatology Internship	-	-	6	Compulsary

To provide sufficient theoretical and practical information to the general practitioner candidate, to gain the necessary attitude, skills and behavior for the approach to orthopedic diseases and trauma patients. To evaluate the diagnosis of congenital orthopedic problems. Diagnosis and primary care treatment of acquired orthopedic problems. Emergency approach to trauma patients. Diagnosis and treatment of extremity traumas

in primary care. Extremity Traumas temporary detection application. To be able to perform first intervention to open fractures in primary care. Taking anamnesis from the traumatized patient. Approach and communication to the patient in emergency situations.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
PMR 500	Physical medicine and rehabilitation Internship	-	-	4	Compulsary

Diseases of the musculoskeletal system. Differential diagnosis of musculoskeletal system diseases and systemic diseases. Concept of medical rehabilitation. Complications experienced by rehabilitation patients. Use of physical therapy agents, situations where it is contraindicated. Non-drug and drug treatments in patients with musculoskeletal problems and rheumatological problems. Evaluation of patients presenting with musculoskeletal complaints. Taking a history from a patient with musculoskeletal problems, rheumatic problems, disability and disability. Performing general, musculoskeletal and neurological examinations to evaluate patients with musculoskeletal complaints. The importance of communicating with people with disabilities and their rights.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
PSC 500	Psychiatry and Child Psychiatry Internship	-	-	6	Compulsary

Signs and symptoms of depression, diagnosis and treatment. Which cases should be referred. To be able to regulate the signs and symptoms of anxiety disorders, diagnosis and treatment, and referral when necessary. Symptoms and signs of psychotic disorders, diagnosing and arranging treatment, maintenance treatment and referral when necessary. Being able to explain the side effects of the treatments given to the patients and make warnings when necessary. Other uncommon mental disorders, Principles of approach to psychiatric patients in emergency situations. Knowing the principles of psychotherapy, emergency response principles and applying them when necessary. The clinic of common disorders in the field of Child and Adolescent Psychiatry. Causes and prevention methods of common disorders in the field of Child and Adolescent Psychiatry. Evaluation methods of Child and Adolescent Mental Health and Diseases (Psychological examination and tests).

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
TOX 500	Toxicology Internship	-	-	1	Elective

Hypertension (TASK), Paracetamol intoxication, Emergency toxicology (Antidepressant Case), Status Epileticus, Good Practices of Medicine, SVO, Emergency toxicology (Discussion), Sepsis.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
URO 500	Urology Internship	-	-	4	Compulsary

Being able to diagnose common urological diseases such as stone disease and urinary infections when encountered.Surgical problems such as testicular tumor, acute epididymoorchitis, acute pyelonephritis that require importance and urgency and their solutions. Differential diagnosis of diseases that may cause

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
hematuria, renal colic, febrile urinary infections. Being able to refer to the appropriate centers for treatment when urological surgery encounters a problem, Making the differential diagnosis of renal colic and making the first intervention to the patient, Making the first intervention in a patient who cannot urinate with urethral catheterization or other methods, Delaying the diagnosis and treatment of urological emergencies such as acute pyelonephritis and testicular torsion by using urological examination methods. inability to prevent.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
ELM 502	Professional Communication	2,0,0	2	2	Elective
Importance of Communication in Medicine & Patch Adam, Organizational Communication in Health Institutions, Communication in Health Institutions; Conceptual Framework, Theory and Models, Communication in Risk and Crisis Periods in Health Institutions, Stress Management in Health Institutions, Burnout and Supportive Communication, Palliative Care period and Health Communication, Giving Bad News and Negative Behaviors in Health Communications, Communication in Conflict Management in Health Institutions, Patient Complaints Management , Physician Patient Communication, Nurse Patient Communication, Leadership and Communication in Health Institutions, Patient Safety and Communication in Health Institutions.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
ELM 504	Physicopathology	1,0,0	1	2	Elective
History of psychopathology, Classification of psychopathology, Diagnosis, clinical evaluation in psychopathology, Definition and differentiation of abnormal behaviors I, Definition and differentiation of abnormal behaviors II, Anxiety disorders, Mood disorders I, Mood disorders II, Depression, Eating disorders, Personality disorders, Adult psychopathologies I, Adult psychopathology II.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
EMM 600	Emercency Medicine Internship	-	-	10	Compulsary
To be able to recognize very urgent and less urgent patients by learning the triage categories, Principles of emergency medicine approach in patients who have not been diagnosed yet, First intervention for common complaints such as chest pain, dyspnea and abdominal pain, providing patient stabilization, making differential diagnosis, and arranging treatment. To be able to recognize ischemic conditions and arrhythmias on ECG. To be able to interpret chest, abdomen and extremity radiographs. Appropriate approach for patients who come to the emergency department with complaints such as acute asthma exacerbation, congestive heart failure, bronchiolitis. Being able to properly request complete blood count, biochemistry, urinalysis, arterial blood gas and frequently made laboratory requests and interpret the results. Pathophysiology and treatment of common diseases. General approach to the multiple trauma patient. Organizing pre-hospital emergency services. Approach to poisoning. Features of interventional sedation and analgesia. Requirements for the management of the emergency department.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
GNO 600	Gynecology and Obstetrics Internship	-	-	4	Compulsary
Symptoms, examination findings, examinations and treatment options in benign gynecological diseases. Diagnosis and follow-up of pregnancy in primary care medicine, when pregnancy is complicated, to define					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
situations that require treatment in the upper center, emergency conditions and referral under appropriate conditions. In cancers originating from the female genital organs, symptoms, examination findings and screening for whom and how often in female genital cancers. In which cases where to be referred in female genital system cancers. Changes in the female genital system with age, what to do in the pathologies of the age-appropriate period of the woman. Inspection and tests. Appropriate treatment options. Basic examinations of infertility and how to interpret them. To be able to provide basic counseling for appropriate treatment approaches according to the results of these examinations. To be able to evaluate basic information about contraception, advantages, disadvantages and contraindications of contraceptive methods. Ability to counsel clients on contraception options. The importance of communicating effectively with patients and their relatives. Obtaining consent from the patient for interventions.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
INM 600	Internal Medicine Internship	-	-	10	Compulsary
To be able to use basic concepts and principles in the solution of clinical cases. To be able to define normal and pathological clinical and laboratory findings, to make first interventions in emergencies and trauma cases, to participate in diagnosis, examination and treatment practices under observation. To be able to apply the principles of diagnosis and treatment of common diseases in the fields of internal medicine, pediatric health and diseases, general surgery, gynecology and obstetrics, psychiatry and public health. To be able to apply the ability to make medical decisions and to evaluate these decisions critically and from multiple perspectives. Demonstrate real-life reflections of theoretical knowledge through case discussion sessions. To be able to apply the skills that the general practitioner can do in the field with the applications made in the primary health care institution. Being principled and respectful in the light of ethical values in relations with patients, physicians and colleagues. Scientifically addressing problems and using scientific methods in an evidence-based approach. To be able to evaluate patient information in a scientific and impartial way, to apply the principle of confidentiality and impartiality regarding the personal information of patients.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
OPT 601	Orthopedics and Traumatology	-	-	4	Elective
To be able to perform musculoskeletal system physical examination, to make differential diagnosis in musculoskeletal system diseases by correlating physical examination findings, to recognize musculoskeletal system emergencies and to be able to make the first intervention. To be able to make the first intervention in orthopedic trauma. To be able to screen for developmental dysplasia of the hip. To be able to recognize orthopedic emergencies and make their first response. To gain the skill of making angle-splint, to direct orthopedic patients to the relevant center when necessary.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
PED 600	Pediatrics Internship	-	-	10	Compulsary
Developing the skills and experience of taking anamnesis and physical examination of patients and their relatives. Approach the child patient appropriately. Normal and pathological examination findings in the child. Features of newborn and childhood (identification of healthy child, growth and development). Routine laboratory examinations used in the diagnosis of pediatric diseases. Taking blood from children, entering vascular access, inserting a nasogastric tube and urinary catheter. To be able to apply basic neonatal and pediatric intensive care interventions under supervision. Making differential diagnosis of childhood diseases. To be able to intervene and refer under appropriate conditions in cases that require urgent diagnosis and					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
treatment in childhood (such as resuscitation, heart failure, dehydration, allergic manifestations). Basic principles of fluid-electrolyte therapy and parenteral nutrition in childhood. Basic information on vaccination, infectious diseases, balanced-adequate nutrition.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
PSC 600	Physiciatry Internship	-	-	4	Compulsary
General and problem-oriented history taking. Mental status assessment, taking a psychiatric history.Physical and neurological examination. History, physical examination and evaluation of vital signs. (pulse, respiration, fever, blood pressure) Assessing the urgency of the clinical picture. Patient file preparation. Writing clinical follow-up and daily patient follow-up notes. Appropriate referral of patients .Accurate, appropriate and legible prescription preparation. Taking a blood sample. Do not inject. Don't keep watch. Attending visits with assistants and specialists, providing information by monitoring patient information, Planning, applying and monitoring rational drug treatment. Accurate calculation of drug doses. Obtaining accurate and sufficient information from patients and their relatives. Ability to communicate effectively with colleagues and trainers. Ability to use and interpret information sources effectively/distinguish evidence-based information.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
PUH 600	Public Health Internship	-	-	9	Compulsary
KKTC ve Türkiye'de halkın sağlığını olumsuz yönde etkileyen etmenler. Sağlıkla ilgili olaylarda biyolojik ve sosyal kültürel etmenler. Herhangi bir toplumda sağlıkla ilgili sorunların epidemiyolojik yolları.KKTCve Türkiye'deki sağlık hizmetlerinin sunuluş modeli ve hizmetlerde görev alan personelin görevleri ve sorunları. Halk ile konuşarak, onların davranışlarını açıklayabilme .Sağlık hizmetlerinde örgütlenme ilkeleri.Birinci, ikinci, üçüncü basamak sağlık hizmetleri arasındaki ilişki ve uyum. Sosyalleştirilmiş sağlık hizmetlerinde görev alan personelin, görev yetki ve sorumlulukları. Personelin eğitim ve mesleki sorunları. İşçi sağlığı, KKTC ve Türkiye'deki uygulamalar. Atıkların kontrolü. Çocuk ve gebe izlemlerinin özellikleri. Sağlık eğitimi ilkeleri. Sosyal hastalıklar (tbc, sıtma, frengi, lepra, trahom). Aile planlaması yöntemleri. Sevk edilecek hastaların seçim kriterleri. Sağlık ocağı koşullarında yapılabilecek laboratuar incelemeleri. Adli hekimlik uygulamaları.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
RDO 601	Radiology	-	-	4	Elective
To be able to explain the basic radiological principles, to evaluate the applied radiological diagnosis methods by observing the interventional and therapeutic radiological approaches, and to gain the formation of choosing the appropriate modalities in the pathologies encountered.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
SCP 600	Simulated clinic Internship	-	-	1	Compulsary
Hypertension (TASK), Paracetamol intoxication, Emergency toxicology (Antidepressant Case), Status Epileticus, Good Practices of Medicine, SVO, Emergency toxicology (Discussion), Sepsis.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsary/Elective Course
SUR 600	Surgery Internship	-	-	4	Compulsary

Normal and acute abdominal examination, diagnosis of acute abdomen in a patient with abdominal pain. Breast examination in a patient presenting with a breast mass. To arrange the necessary examinations, pre-diagnosis of breast cancer, diagnosis of breast abscess, diagnosis of mastitis. Benign and malignant diseases of the gastrointestinal and endocrine systems and the signs and symptoms of these diseases. Acid-base balance and liquid electrolyte therapy. Initial evaluation in a trauma patient and a patient presenting with shock. Resuscitation. Fast and convenient referral of emergency surgical patients. Diagnosis of abdominal wall hernias. Suturing simple incisions. wound care. when needed. Ability to insert nasogastric and urinary catheters. Communicate appropriately with patients, relatives, and colleagues. Performing the intervention to patients in surgical discipline. Obtaining consent from patients before surgical interventions.