

PHYSIOTHERAPY

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
FTT101	Basic Measurement Methods in Physical Therapy	(2,0,2)	2	3	Compulsory Course

Patient questioning, functional evaluation, examination, posture analysis, shortness tests, evaluation of flexibility, evaluation of normal joint movements, goniometric measurements, manual muscle testing of the upper and lower extremities.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
FTT102	Kinesiology	(3,0,3)	3	3	Compulsory Course

Definition of kinesiology, subjects within the scope of kinesiology, movement and movement types, general mechanical principles, physiological properties and laws of bone tissue, stresses on bone, functional adaptation of bone in pathological conditions, structure-properties of cartilage tissue, mechanics, pathokinetics; mechanics and pathomechanics of muscle function; mechanical properties and pathomechanics of collagen tissue, classification of body joints, synovial joints and their properties, movements in joints according to planes, balance. Normal and pathological gait; Mechanics and pathomechanics of the spine; scoliosis, pelvis-hip-knee-ankle and foot mechanics and pathomechanics; Upper extremity kinesiology (shoulder-arm complex, elbow, wrist and hand mechanics and pathomechanics).

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
FTT104	Heat, Light and Hydrotherapy	(2,2,3)	3	3	Compulsory Course

Definitions used in hydrotherapy, physiological concepts in hydrotherapy, application methods in hydrotherapy, whirlpool baths, fluidotherapy, moist heat applications, hot-pack and paraffin, pool treatment and in-water exercises, spas.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
FTT106	Orthotics - Prosthetics	(1,2,2)	2	3	Compulsory Course

What are orthoses and prostheses, how and for what purpose they are made, which type of prosthesis and orthosis are used in which patients; How are patients informed about the use of these devices? Which orthoses are used in the lower, upper extremities and spine. What is done in orthotic and prosthetic rehabilitation. What is done in the home program for patients using orthoses and prostheses.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
FTT108	Physical Therapy and Rehabilitation Methods I	(2,2,4)	4	8	Compulsory Course

Classification of physical agents, hot and cold applications. Superficial and deep heaters. Hot pack, cold pack applications, paraffin, infrared applications. Ultrasound and traction. Low frequency currents, diadynamic currents, interference currents, functional electrical stimulation, Russian current. Shortwave diathermy, microwave diathermy, ultrasound, transcutaneous electrical nerve stimulation, biofeedback, magnetotherapy.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
FTT110	Clinical Sciences	(3,0,2)	3	4	Compulsory Course

This course aims to provide students with knowledge and skills about the general characteristics of common musculoskeletal diseases. General characteristics of musculoskeletal diseases, Osteoporosis, Osteoarthritis, Rheumatoid arthritis, Rheumatic diseases, especially Ankylosing spondylitis, Mechanical low back and neck pain, Disc herniations, Soft tissue diseases, Orthopedic and neurological diseases.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
FTT201	Physiotherapy Technician Approaches in Pediatric Rehabilitation	(3,2,4)	4	5	Compulsory Course

Normal growth and development, examination, reflexes, postural reactions, language development and speech. Rehabilitation of cerebral palsy and other congenital and genetic neuromuscular system diseases in childhood. Rehabilitation methods used in pediatric patients, conventional and neurophysiological methods. Orthotic prosthesis applications in children, splinting.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
FTT203	Physiotherapy Technician Approaches in Neurological Rehabilitation	(3,2,4)	4	5	Compulsory Course

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
Rehabilitation approaches in infectious, vascular, traumatic and degenerative diseases of the central and peripheral nervous system. Rehabilitation practices in stroke and spinal cord injuries, head trauma and rehabilitation.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
FTT205	Physiotherapy Technician Approaches in Rheumatic Rehabilitation	(3,2,4)	4	5	Compulsory Course
Common rheumatic diseases. Acute, subacute and chronic period physical agent applications and rehabilitation approaches. Splintings in rheumatic diseases.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
FTT207	Physiotherapy Technician Approaches in Orthopedic Rehabilitation	(3,2,4)	4	5	Compulsory Course
Orthopedics and traumatology concepts. Fracture and healing, contractures, stretching exercises and their types. Range of motion exercises, strengthening exercises. Major prosthetic applications, rehabilitation protocols before and after, Sports injuries and rehabilitation.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
FTT209	Physiotherapy Technician Approaches in Cardiopulmonary Rehabilitation	(2,2,4)	3	5	Compulsory Course
This course aims to provide the student with knowledge and skills on the implementation of the rehabilitation program of an individual with heart disease and/or lung disease. To be able to apply bronchial drainage techniques, to apply controlled breathing techniques, to apply frequently used exercise techniques in pulmonary rehabilitation.					

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
MAT151	Basic Mathematics	(3,0,3)	3	3	Compulsory Course

Numbers and Number systems; Natural Numbers, Integers, Rational Numbers and Decimals, Exponents, Radical Numbers. Algebraic Expressions, Identities, Factorization and Rational Expressions, Functions, Equations, Polynomials, Functions, Inequalities, Trigonometry, Complex Numbers, Systems of Linear Equations, Matrix and Determinants. Introduction to Statistics, Measures of Central Tendency, Measures of Distribution

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
SMO101	Medical Terminology	(2,0,2)	2	3	Compulsory Course

Introduction to terminology, Prefixes that make up medical terms, Stems, Suffixes. Movement system terms, Nervous system terms, Blood terms, Cardiovascular terms, Respiratory system terms, Endocrine system terms, Sense organ terms, Urinary system terms, Genital system terms. Giving information about the standard terminology of surgery and diseases.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
SMO102	Diseases Information	(3,0,3)	3	3	Compulsory Course

General structure of the human body. Cell and its functions, Metabolism, Body fluids, electrolytes and tissue types. Organs and systems, Musculoskeletal, Nervous, Respiratory, Circulatory, Digestive, Excretory systems, reproductive organs and their functions. Concepts of health and disease, symptoms, Findings, Etiology, Examination of diseases, Examination forms and diagnostic procedures. Congenital anomalies, Eye-ENT Diseases, Urogenital System Diseases, Infectious and parasitic diseases, Cancer, Endocrine system diseases, Blood diseases, Mental health and disorders, Nervous system and sensory organs diseases.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
SMO104	Physiology	(3,0,3)	3	3	Compulsory Course

Basic concepts of physiology, cell, tissue, organ and system organization and working mechanisms and functions of body systems, cell physiology, Muscle physiology, Circulatory system, Blood physiology, Respiratory system physiology, digestive system physiology, excretory system physiology, central nervous system physiology , endocrine system physiology.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
SMO109	Basic First Aid	(2,2,3)	3	3	Compulsory Course

Importance and rules of first aid, crime scene management, disaster situations in society, causes, emerging problems and civil defense. Evaluation of the patient/injured, basic life support, first aid in injuries, first aid in bleeding, first aid in respiratory and circulatory system and first aid in shock extremity fractures and bleeding, first aid in vertebra, head, sternum fractures and bleeding, rescue and transportation methods. First aid in burns, electric shock, frostbite, heat stroke, food and chemical poisoning, animal bites, and other situations that require first aid.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
SMO111	Basic Anatomy	(3,0,3)	3	4	Compulsory Course

Introduction to anatomy. Skeletal and muscular system anatomy: bone, muscle, joint and general information, upper and lower extremities. Respiratory system anatomy: thorax wall anatomy and diaphragm, nose and larynx trachea, lungs and pleura. Circulatory system: heart (atria and ventricles), pericardium, vessels. Digestive, excretory and reproductive systems: pharynx, esophagus and stomach, small and large intestines, liver, pancreas, spleen, kidneys, ureters-bladder and urethra-female and male genital organs. Nervous system: central nervous system-diencephalon and telencephalon-medulla spinalis morphology, brain sac- cerebellum and cranial nerves-autonomic nervous system. endocrine system. Sense organs: eye and visual pathways, ear, hearing and balance pathways.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
SMO202	Public Health	(2,0,2)	2	3	Compulsory Course

Historical development of medicine, Basic health services, Health manpower, Health organization in Turkey and TRNC, Immune services, Basic nutrition, Health education, Worker and workplace health, Family planning, Medical ethics.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
SMO204	Occupation Ethics	(3,0,3)	3	4	Compulsory Course

In this course, it is aimed to gain the competencies related to professional ethics. Examining the concepts of ethics and morality, Examining the ethical systems, examining the factors that play a role in the formation of morality, examining professional ethics, examining the consequences of professional corruption and unethical behaviors in professional life, examining the concept of social responsibility, Examining the concepts of ethics and health, Examining the concepts of ethics and culture.

Course Code	Course Name	(T,A,L)	Credit	ECTS	Compulsory/Elective Course
SMO208	Rational Drug Use	(1,0,1)	1	1	Compulsory Course

Basic concepts of rational drug use, stakeholders in rational drug use, drug supply process in rational drug use, compliance, storage conditions of drugs, factors leading to irrational drug use.