

# PHYSIOTHERAPY PROGRAMME

## 1<sup>st</sup> SEMESTER

### **Introduction To Anatomy**

To give information about the anatomical structure and properties of human body.

### **Physiology**

Introduction to human physiology, tissue and systems, homeostasis, Muscular System, Nervous System, Cardiovascular System, Blood and Immune system, Respiratory System, Sensory System, Digestive System, Urinary System, Endocrine System and Reproduction.

### **Introduction To Physiotherapy**

Definition of Physiotherapy and rehabilitation, concepts, areas of application, physical therapists' duty and responsibility, legal regulations, multidisciplinary teamwork in rehabilitation, social policy and programs for disabled persons in Turkey and in other countries. The communications with team members, patients and their family.

### **Physical Modalities And Electrotherapy I**

To teach how to use electrotherapy modalities and the equipments. To make a decision which electrotherapy equipments should be used for which purpose.

### **Medical Terminology**

With this course, students will be able to understand the meanings, They will be able to easily understand and use these terms in their professional and everyday life.

### **Ataturk's Principles and History of Turkish Revolution II**

Teaching the military, political, economic and social events of the Ottoman Empire in the internal and external politics, the struggle for national liberation and the formation of the new Turkish Republic.

### **English I**

Students will understand English effectively and use basic grammar of English Rules. Through this course, students will be able to interpret simple dialogues in English and use the new structures and words they have learned in their daily lives.

## **Turkish Language I**

To give information about language definition, role and importance in communication, verbal and written expression techniques in literary and scientific fields, writing rules and expression disorders.

## **Occupational Ethics**

This course will help students learn about the ethical concept and health professional ethics and find solutions to the problems they face in their professional life.

## **2<sup>nd</sup> SEMESTER**

### **Muscle And Nerve Anatomy**

To learn general knowledge and practice about nervous system anatomy and dissection of, central nervous system, meninges, cerebrum, cerebellum, pons and spinal cord . To learn general knowledge and practice about peripheral nervous system, neuroanatomy and dissection of peripheral and autonom nervous system To learn general and special knowledge and practice about muscular system.

### **Basic Measurement and Evaluation in Physiotherapy**

Patient anamnesis and assesment, principles of the movement, posture analysis (anterior, lateral ve posterior), fleksibilty assesment, anthropometric measurements, range of movement measurements with goniometer, muscle testing methods.

### **Treatment Movements And Principles I**

The purpose of this lesson is; implementation and understanding the using goals of therapeutic exercises like normal joint movements, strengthening exercises, breathing, stretching, relaxation, open and closed kinetic chain, balance and proprioception used as a basis in physical therapy.

### **Physical Modalities And Electrotherapy II**

Electrophysical mechanisms, physiologic reactions of the muscle and the nerve, stimulation properties of healthy and denerved muscle will be discussed, and basic principles and application methods of low, medium and high-frequency currents will be tackled.

## **Ataturk's Principles and History of Turkish Revolution II**

This course examines Atatürk's principles and reforms and the political developments after the Ataturk with the establishment process of the Republic of Turkey.

## **English II**

Students will be able to understand English, use it effectively and compare basic grammar rules of English. Through this course, students can comment on simple dialogues in English and use the new structures and words they have learned in their daily lives.

## **Turkish Language II**

Proper use of punctuation marks in writing, development of plain text writing skills, listening and reading skills are taught.

## **3<sup>rd</sup> SEMESTER**

### **Compulsory Internship I**

The professional knowledge gained at the school, students will receive internships at the end of the 2nd semester to ensure that they acquire new practical and technical skills, to acquire business skills, and to communicate effectively with other disciplines and administrators.

### **Treatment Movements And Principles II**

Physiotherapists they use a variety of exercises in order to treat their patients, treatment approaches and techniques include. At the end of this lesson, students must be reached the adequency to do the basic exercises in physical therapy, purposes for using these exercises, application methods and proper patient selection for these exercises.

### **Diseases And Physiotherapy Approaches**

The system of the body and the basic knowledge of the diseases which are related to these systems are transferred to the students.

### **First Aid**

First aid entry and general characteristics, evaluation of basic life function, respiratory and circulatory system, first aid injury, bleeding in first aid, shock and first aid, burns and first aid, poisoning and first aid, fracture-dislocations and sprains first aid, basic life support

### **Orthosis-Prosthesis**

The aim of this lesson is to teach rehabilitation phase of patients which use orthoses or prostheses

### **Communication in Health**

Introduction to Health Communication, Health Communication Concept. As an interdisciplinary field of Health Communication, Health communication features, fields of activity of health communication

### **Home Care Services**

The concept of home care, The place and importance of health care personnel in home care, Home care services in the world, Home care services in Turkey, Organization and coordination of hospital services and home care services, Home care directive and directives.

## **4<sup>th</sup> SEMESTER**

### **Massage Techniques**

With necessary information about physical therapy and rehabilitation issues, implement treatment with correct techniques.

### **Diseases Information**

Definition of health and disease concepts, factors affecting these concepts and systems learning of diseases

### **Hydrotherapy and Balneotherapy**

To introduce cure therapy environments (thermal springs and sea shores), balneotherapy practice in clinics and in natural conditions, to gain competency on thermal spring practice and spa practice.

### **Psychosocial Rehabilitation**

The relationship between patient and health professional, social support, psychosocial approaches to disabled and long term patient, patient psychologist, psychological tests and examinations, mental disabilities and related issues.

### **Kinesiology**

To investigate human body and movement within biomechanics laws \*To establish decline from normal movement and posture \*to guide normal movement

## **Microbiology**

To learn classifying microorganisms and some definitions of infectious diseases, transmission routes, factors, signs and symptoms and to gain information about the general factors related to the host and the environment.

## **Ergotherapy**

The entrance for occupational therapy, terminology, the evaluation of quality of life and Daily activities, self assistance tools and home adjusting, sensorial perceptual motor disabilities, training for daily life activities, to have informations about assistance tools using for various disabilities.