# EASTERN MEDITERRANEAN UNIVERSITY FACULTY OF HEALTH SCIENCES



# PHYSIOTHERAPY AND REHABILITATION

| PHYSIOTHERAPY AND REHABILITATION COURSE DESCRIPTIONS |   |   |                                       |
|--|---|---|---------------------------------------|
| 1.   | FZTT106 Electrophysical Agents  |   |                                       |
| 1.   | Basic physiological principles, currents of low and high frequencies, application methods, innovations in electrotherapy, straight galvan currents, iontopheretic, medical and surgical galvanism, low frequency currents, diadynamic currents, interferential currents, application related to functional electronic situmilations.                          |   |                                       |
|  | Credits: (3 / 2 / 0 ) 4 Abbreviated Title: Electrophysical Agents Keywords: electrotherapy, electrophysiology   | Prerequisities: None<br>Category: Area Core       | ECTS: 5<br>Teaching Language: Turkish |
| 2.   | FZTT200 Summer Internship   |   |                                       |
|  | Students will apply the knowledge they have gained throughout the programme. They will find the opportunity to use electrotherapeutic heat-ght and hydrotherapy agents during 15 working days.  |   |                                       |
|  | Credits: (0 / 0/ 0 ) 0  | Prerequisities: None                              | ECTS: 0                               |
|  | Abbreviated Title:Summer Internship   | Category: Area Core                               | Teaching Language: Turkish            |
| 3.   | Keywords: practice FZTT201 Massage Applications   |   |                                       |
| о.<br>П  | Mechanism of action of the classical massage, techniques, indicated and contraindicated states, correct positioning, partial applicate deep friction massage and its application. The history of Connective Tissue Manipulation (C.T.M), it's mechanism of actions, reflex are the C.T.M, applications of C.T.M to main and other parts.                      |   |                                       |
|  | Credits: (3/2/0) 4  | Prerequisities: None                              | ECTS: 5                               |
|  | Abbreviated Title: Massage Applications<br>Keywords: massage, positioning   | Category: Area Core                               | Teaching Language: Turkish            |
| 4.   | FZTT202 Professional Practice – I   |   |                                       |
|  | Within the scope of the 'Professional Practice', the students would have the opportunity to practice the knowledge they have gained for 20 working days on general physiotherapy in hospitals and /or health centers.   |   |                                       |
|  | Credits: (1/8/0)5   | Prerequisities:None                               | ECTS:10                               |
|  | Abbreviated Title: Professional Practice<br>Keywords: practice, physiotherapy   | Category: Area Core                               | Teaching Language: Turkish            |
| 5.   | FZTT204 Professional Practice- II   |   |                                       |
|  | Within the scope of the 'Professional Practice' course, the students would have the opportunity to practice the knowledge they have gained for 20 working days on orthesis and prosthesisin hospitals and/or health centers.  |   |                                       |
|  | Credits: (1/8/0)5   | Prerequisities:None                               | ECTS:10                               |
|  | Abbreviated Title: Professional Practice<br>Keywords: practice, physiotherapy   | Category: Area Core                               | Teaching Language: Turkish            |
| 6.   | FZTT206 Professional Practice- III  |   |                                       |
|  | Within the scope of the 'Professional Practice' course, the students would have the opportunity to practice the knowledge they have gained for 20 working days on internal and surgical illnessesin hospitals and/or health centers.  |   |                                       |
|  | Credits: (1/8/0)5 Abbreviated Title: Professional Practice  | Prerequisities:None<br>Category: Area Core        | ECTS:10<br>Teaching Language: Turkish |
| 7.   | Keywords: practice, physiotherapy FZTT213 Introduction to Orthesis Prosth   | esis  |                                       |
| ,.   | Definitions of orthesis and prosthesis, aims, partial foot prosthesis, mid-calf prosthesis, hip disarticulation and prosthesis, upper extremity prosthesis, hand and wrist, lower elbow, upper elbow prosthesis, shoulder disarticulation and prosthesis, lower and upper extremity orthesis, using prosthesis in columna vertebralis illnesses and problems. |   |                                       |
|  | Credits: (3/2/0)4<br>Abbreviated Title:Introduction to Orthesis Pro<br>Keywords: hand orthesis, disarticulation   | Prerequisities: None osthesis Category: Area Core | ECTS: 6<br>Teaching Language: Turkish |
| 8.   | FZTT214 Surgical Sciences   |   |                                       |

Information about orthopedic, brain and nerve, cardiovascular, urologic problems and their surgery.

Prerequisities: None Category: Area Core

ECTS: 4 Teaching Language: Turkish

Credits: (2/0/1) 2 Abbreviated Title: Surgical Sciences Keywords: Surgical diseases,surgery

#### Course Descriptions - II - English : All compulsory courses offered by other academic units

#### 1. FZTR105 Heat and Light

The main knowledge related to the usage of heat agents, theories of the usage of heat agents during suffering, physiological features and physiological effects of heat, heat sources, physiological features and applications of ultraviolet and laser.

Credits: (3/0/0) 3 Prerequisities: None ECTS: 3

Abbreviated Title:Heat and Light Category: Area Core Teaching Language: Turkish

Keywords: ultraviolet, laser

#### 2. FZTR108 Psychosocial Rehabilitation and Ethics

Inability, disability and handicap terms, causes of defects, personality development in defected children, psychosocial approaches at visually impaired people, psychosocial approaches at hearing and speaking impaired people, approaches at neuromuscular and traumatic disorders, pscholosocial approaches at mentally retarded patients.

Credits: (2 / 0 / 0 ) 2 Prerequisities: None ECTS: 3

Abbreviated Title: Psychosocial Rehabilitation and Ethics Category: Area Core Teaching Language: Turkish

Keywords: handicap terms, deficit

#### 3. FZTR109 Hydrotherapy and Balneotherapy

Definitions of hydrotherapy and balneotherapy, physiological concepts and application methods of hydrotherapy and balneotherapy. Vortex baths, showers and sprays, fluid therapy, damp heat applications, paraffin and saunas, pool treatmend and water exercises, tests of hydrotherapy, mineral springs and mud baths.

Credits: (2/0/0) 2 Prerequisities: None ECTS: 3

Abbreviated Title:Hydrotherapy and Balneotherapy Category: Area Core Teaching Language: Turkish

Keywords: paraffin, saunas, pool

## 4. FZTR126 Health Care Systems and Rehabilitation

Definition of rehabilitation, history, types of rehabilitation, the scope of rehabilitation, active relations with the patient, multidiscipliner and interdiscipliner approaches in health care systems.

Credits: (2 / 0 / 0 ) 2 Prerequisities: None ECTS: 3

Abbreviated Title: Health Care Systems and Rehabilitation Category: Area Core Course Teaching Language:Turkish

Keywords: patient, multidisipliner

## 5. FZTR151 Introduction to Anatomy

Human anatomy in relation to body systems and functions. The students will learn the anatomy of bones, joints, muscles, internal organs and

brain.

Credits: (2 / 2 / 0) 3 Prerequisities: None ECTS: 6

Abbreviated Title: Introduction to Anatomy Category: Area Core Teaching Language: Turkish

Keywords: muscles, locomotor

## 6. FZTR152 Introduction to Physiology

The parts of the organism (cell, tissue, organ, system), roles and the relationship between these parts. Physiologies of cell, nerve, muscle, blood, central nervous system, respiration and digestion systems are introduced.

Credits: (2 / 0 / 0) 2 Prerequisities: None ECTS: 3

Abbreviated Title: Introduction to Physiology Category: Area Core Teaching Language: Turkish

Keywords: cells, nerves, systems

#### 7. FZTR221 Introduction to Kinesiology

Introduction to kinesiology, principles of biomechanics, structure and features of the bone, muscle and articular mechanics, kinesiology of columna vertabrae, hip, knee, ankle, shoulder and wrist joint mechanisms.

Credits: (3 / 0 / 0) 3 Prerequisities: None ECTS: 4

Abbreviated Title:Introduction to Kinesiology Category: Area Core Teaching Language: Turkish Keywords: movement science, articular

## 8. FZTR223 Terminology and Concepts of Health

Information on basic medical terms and concepts. Information about diseases and the system of their international classification, the basic elements that make up medical terms, roots, prefixes, suffixes, and the concepts related to health and disease.

Credits: (2 / 0 / 0 ) 2 Prerequisities: None ECTS: 2

Abbreviated Title: Terminology and Concepts of Healt Category: Area Core Teaching Language: Turkish

Keywords: basic medicine, disease

#### **FZTR 262 Basic Community Health**

Historical development of medicine, basic medical services, health manpower, health associations in Turkey, immunisation services, basic nutrition, health education, labor and workplace health, family planning, law of medicine.

Credits: (2/0/0)2 Prerequisities:None ECTS: 3

Abbreviated Title: Basic Community Health Category: Area Core Teaching Language: Turkish

Keywords: health associations

#### 10. FZTR265 Basic Internal Sciences

Rheumatic diseases, fractures and complications, bone infections and tumors, congenital anomalies, preferic vascular diseases, disease of medulla spinalis, diseases of pyramidal and extrapyramidal system, cerebellar system illnesses, muscle diseases, polyneuritis, peripherical nerve injuries

9.

Credits: (2/0/1)2 Prerequisities: None ECTS: 4

Abbreviated Title: Basic Internal sciences Category: Area Core Teaching Language: Turkish

Keywords: Diseases

## PSYC111 PsychologicalScience

Introducing the science of psychology in general and providing information about approaches in psychology, general theories, and practical applications. Topics to be covered in the course include: research methods in psychology, learning, memory, motivation, emotions, different states of consciousness, stress, health psychology, social psychology.

Prerequisities: None Credits: (2/0/0)2 ECTS: 4

Abbreviated Title: PsychologicalScience Teaching Language: Turkish Category: Area Core

Keywords: psychology

#### ITEC115 Introduction to Computer

Introduction of the computer and constituent parts of the computer, the significant basis of computer languages, information and skill of software, the presentation of computer package programs widely used in the fields of health and education and gaining the ability to use.

FCTS: 3 Credits: (2/2/0)3 Prerequisites: None

Abbreviated Title: Introduction to Computer Category: University Core Teaching Language: Turkish

Keywords: computer, program

Department offering the course: Department of Technology of Computer and Informatic Systems

#### 3. ENGL171 English - I

It is planned to increase students levels to A1 level to make them a part of Common European Framework of Referance for Languages. Students' listening, speaking, reading and writing skills are aimed to develop through this course.

Credits: (3/1/0)3 Prerequisites: None ECTS: 6

Abbreviated Title:English I Category: University Core Teaching Language: English

Keywords: Common European Framework of Referance for Languages, A1

Department offering the course: Modern Languages

#### HIST280 Principles of Atatürk and Turkish Revolution

The topics of the collapse of the Ottoman Empire, Tanzimat and Islahat, I. and II. Constitutional Period. World War I and the entry of the Ottoman Empire, the Armistice of Mudros, Atatürk's personality and his departure to Samsun, congresses period and the Independence War, the Abolition of the Sultanate, the Lausanne Peace Treaty, the principles and reforms of Atatürk and modern Turkey.

Credits: (2/0/0)2 Prerequisites: None ECTS: 4

Abbreviated Title: Principles of Atatürk and Turkish Reforms Category: University Core Teaching Language: Turkish

Keywords: history, revolution

Department offering the course: Ataturk Research Center

#### 5. ENGL172 English – II

It is planned to increase students levels to A1 level to make them a part of Common European Framework of Referance for Languages Students' listening, speaking, reading and writing skills are aimed to develop through this course.

Credits: (3/1/0)3 Prerequisites: ENGL171 ECTS credits: 6 Abbreviated Title: Énglish II Category: University Core Teaching Language: English

Keywords: Common European Framework of Referance for Languages, A1

Department offering the course: Modern Languages