JUNIOR (5 Fall Semester)

COMPULSORY COURSES

FTR 321 Neurophysiological Approaches I (2-2-3) ECTS 4

The definition, basic principles, movement patterns, rehabilitation applications, aquatic applications of Proprioceptive Neuromuscular Facilitation (PNF) techniques are covered in the course.

FTR 323 Orthopaedic Rehabilitation (3-0-3) ECTS 3

General treatment principles of fractures and physiotherapy and rehabilitation approaches after various fractures; Conservative treatment of conditions that cause joint degeneration such as rheumatoid arthritis, osteoarthritis, ankylosing spondylitis, and rehabilitation principles after joint replacement surgery such as endoprostheses; rehabilitation of shoulder joint pathologies such as tendinitis and tears of the rotator cuff, bursitis, and periarthritis; Patellofemoral pain syndrome in the knee, rehabilitation of ligament and meniscus injuries, physiotherapy and rehabilitation methods in back and neck pain; Practical applications related to bandage and tapping methods that can be used in orthopedic conditions and musculoskeletal system injuries.

FTR 325 Pediatric Rehabilitation (2-2-3) ECTS 3

Physiotherapy and rehabilitation specific evaluations (history, school/game status, functional status/limitation, activity level, primitive/postural reflexes/reactions, muscle tone, range of motion, sensory integrity) applied in pediatric special populations (cerebral palsy, musculoskeletal dysfunction).Posture, walking, balance, locomotion, assistive device, cognitive state, skin integrity depending on the equipment used) will be covered in the course. Indication/contraindications of treatment methods (postural control, stabilization, awareness training, neuromuscular training, motor-sensory training, locomotion/gait training, neurodevelopmental activity training, neuromuscular training, use and training of assistive/protective devices and equipment), effects of therapeutic exercise applications, the disorder is tackled in the context of the course in an activity-participation approach.

FTR 327 Pulmonary Rehabilitation (2-2-3) ECTS 3

Pathologies and functional deficiencies that cause cardiorespiratory system, respiratory system disorders are defined, evaluates the pulmonary system during exercise and rest; In the light of the evaluation results, it is aimed to gain the ability to draw and apply for the rehabilitation program.

FTR 329 Orthotics and Rehabilitation (2-1-3) ECTS 3

This course includes the subjects of biomechanical principles of orthotics; pre and post orthotic assessment; orthoses used for various segments in the upper, lower limbs and spine; orthotic approach in various injuries, musculoskeletal and neuromuscular disorders, post-operative care, congenital and acquired deformities; orthotic assessment and orthotic rehabilitation.

FTR 331 Basic Psychology (2-0-2) ECTS 3

This is a course that introduces the basic micro and macro levels of psychology and provides basic psychology information. In this course, students will be given basic information about general psychology approach, research methods in psychology, sensation and perception, consciousness, learning and memory, personality and motivation.

KPL 101 Career Planning (1-0-1) ECTS 2

With this course, it is aimed to raise awareness in students about the dynamics and expectations of business life and to guide students to plan their careers in accordance with their own intelligence, personality, knowledge, skills, abilities and competencies.

EHP 201 English for Health Professionals I (3-0-3) ECTS 3

AREA ELECTIVE COURSES

FTR 333 Occupational Therapy (2-1-3) ECTS 3

To explain the role of occupational therapy in teamwork in rehabilitation, to define basic job and occupation assessment methods in performance areas, to give basic information and practice examples on the development of appropriate work and occupation approaches, to show practices within the scope of different diseases.

FACULTY ELECTIVE COURSES

SBF 110 Social Responsibility Projects (2-0-2) ECTS 3

The course includes the basic concepts of social responsibility, the stages of developing and realizing a social responsibility project.

SBF 101 Healthy Eating and Physical Activity (2-0-2) ECTS 3

This course; It includes topics such as the definition of nutrition, the importance of healthy eating, the importance of adequate and balanced diet, the definitions of physical activity and exercise, the relationship between exercise, health and nutrition, nutrition in different types of exercise in children and adults.

JUNIOR (6 Fall Semester)

COMPULSORY COURSES

FTR 322 Neurophysiological Approaches II (2-2-3) ECTS 4

Clinical features after hemiplegia and different neurophysiological approaches used in its treatment (New Bobath, Johnston, Brunnstrom, etc.); theory and principles of neuroplasticity, motor control, and

motor learning; To be able to draw and apply for a rehabilitation program considering the physiotherapy methods of functions and structures before and after rehabilitation and considering the biopsychosocial effects and results; Recognition and management of muscle tone/spasticity are covered in the course.

FTR 324 Neurological Rehabilitation (2-1-3) ECTS 3

Clinical characteristics of common neurologic disease such as movement disorders, demyelinating diseases, neuromuscular diseases, clinical characteristics of upper and lower motor neuron diseases in terms of physiotherapy programs, patient-oriented measurement- assessment and neurophysiologic based treatment program, prepare project.

FTR 326 Prosthetics and Rehabilitation (2-1-3) ECTS 3

To acquaint physiotherapy students with prostheses, their indications, applications, necessary modifications and possible complications. To teach physiotherapy students to plan and to apply appropriate amputee rehabilitation programs.

FTR 328 Cardiac Rehabilitation (2-1-3) ECTS 3

Historical perspectives in cardiac rehabilitation, coronary artery diseases, myocardial infarction and it's rehabilitation, risk factors and their modification, exercise testing, exercise training for coronary artery disease, diabetes mellitus, heart failure, peripheral arterial disease, obesity and cardiac rehabilitation approaches in these problems, rehabilitation in cardiac surgery.

EHP 202 English for Health Professionals II (3-0-3) ECTS 3

FTR 330 Physiotherapy and Rehabilitation Professional Practice II (1-8-5) ECTS 5

Clinical problem solving specific to disease groups, planning and implementing treatment programs in Physiotherapy and Rehabilitation units.

AREA ELECTIVE COURSES

FTR 332 Biostatistics and Research Methodology (2-1-3) ECTS 3

In this course, the ability to introduce the science of epidemiology, to learn about research planning, to teach the basic concepts of biostatistics, to examine studies in the field of health in terms of statistical significance tests

FTR 334 Sports Rehabilitation (2-0-2) ECTS 3

Description of sports physiotherapy, comprehension of the importance of children and sport, women and sport, and disabled sports. Comprehension of the training knowledge, sports psychology, sports nutrition. Description of the physical fitness and test batteries in different groups. Description of the sport injuries and their healing processes. Measurement, evaluation and treatment applications in sport injuries and athletes, application of clinical decision making process and return to sport.

SENIOR (7 Fall Semester)

COMPULSORY COURSES

FTR 413 Project Application I (2-0-2) ECTS 3

Writing a project report, applying statistical methods.

FTR 415 Clinical Applications I (1-24-13) ECTS 15

Within the scope of the clinical study, the ability to educate and inform patients and their relatives about how to intervene in the medical condition is taught in this course.

FTR 417 Clinical Decision in Physiotherapy I (2-0-2) ECTS 3

Preparation of the students and counselors about the case, evaluation of the case in the clinic with group work, creation of a problem list based on the biopsychosocial model, and discussion of the treatment approaches created with evidence-based data in the classroom environment.

AREA ELECTIVE COURSES

FTR 419 Special Issue in Physiotherapy (2-0-2) ECTS 3

This course includes physiotherapy and rehabilitation applications in special subjects.

FTR 421 Pharmacology (2-0-2) ECTS 3

Basic concepts in pharmacology and toxicology, pharmacological properties and side effects of drugs affecting tissue and organ systems.

FTR 423 Audio and Speech Therapy (2-0-2) ECTS 3

The anatomical and physiological features of the auditory system, the anatomical and physiological features of the speech system, the anatomical and physiological features of the vestibular system, and the clinical features of the disorders that occur in these systems will be covered.

SENIOR (8 Fall Semester)

COMPULSORY COURSES

FTR 414 Project Application II (2-0-2) ECTS 3

Writing a project report, applying statistical methods.

FTR 416 Clinical Applications II (1-24-13) ECTS 15

Reviewing treatment and evaluation approaches specific to physiotherapy and rehabilitation and making practical applications.

FTR 418 Clinical Decision in Physiotherapy II (2-0-2) ECTS 3

Preparation of the students and counselors about the case, evaluation of the case in the clinic with group work, creation of a problem list based on the biopsychosocial model, and discussion of the treatment approaches created with evidence-based data in the classroom environment.

AREA ELECTIVE COURSES

FTR 422 Radiological Imaging Techniques (2-0-2) ECTS 3

During the course, basic principles of radiological methods, radiological imaging and evaluation methods, radiological anatomy and radiological pathologies are given.

FTR 424 Hand Rehabilitation (2-0-2) ECTS 3

Anatomy and biomechanical principles of hand and upper extremity, soft tissue problems, fractures, joint problems, rehabilitation principles after nerve injuries.

FTR 426 Physiotherapy and Rehabilitation in Women's and Men's Health (2-0-2) ECTS 3

Description and classification of problems involved in women’s and men’s health physiotherapy, preventive approaches, choosing different feasible physiotherapy approaches and practical principles of these approaches.