

ALANYA ALAADDİN KEYKUBAT UNIVERSITY
GRADUATE EDUCATION INSTITUTE
DEPARTMENT OF PHYSIOTHERAPY AND REHABILITATION
PHYSIOTHERAPY AND REHABILITATION MASTER'S DEGREE PROGRAM COURSE CONTENTS

I.YEAR – I. SEMESTER

COURSE CODE	COURSE NAME	COURSE HOURS			ECTS	CONTENT
		T	P	L		
LEE 571	SPECIALIZATION FIELD COURSE	4	0	0	8	To plan of master thesis by using clinical decision-making process, to carry out the master thesis, and to write the master thesis.
LEE 581	CONSULTANCY	0	1	0	1	It is the processes such as research, literature review, determining the appropriate method for the thesis study, and as a result of these processes, the determination of a thesis topic in accordance with the rules of academic writing.
FTR 501	SCIENTIFIC RESEARCH METHODS AND ETHICS	3	0	0	6	<ul style="list-style-type: none"> - Research planning, - Sources of error in a research, - Sampling methods, determination of the appropriate sample size - Research types - Report writing. - Concept of research ethics, related concepts, - Controversial research ethics topics, - Clinical researches, non-interventional clinical researches, - Animal researches, - Frequently encountered research ethics problems and prevention methods, - Recognition of violation of ethics, what should be done.
FTR 503	HAND REHABILITATION	3	0	0	5	Functional anatomy of the hand, tissue healing process, assessment methods, multidisciplinary rehabilitation strategies and case discussion of specific hand problems.
FTR 505	RESEARCH METHODS IN PHYSIOTHERAPY	3	0	0	5	<p>The using different research methods in biostatistic</p> <p>The planning research and collecting data</p> <p>Statistical approaches</p> <p>The investigation of literature</p>
FTR 507	MEASUREMENT-EVALUATION METHODS IN PHYSIOTHERAPY AND REHABILITATION	3	0	0	5	The fundamental assessment principles in different age groups at different fields of physiotherapy and rehabilitation, the basic factors effecting assessment, the assessment approaches associated with the mobility skill, quality of life and function in healthy and sick people.
FTR 509	REHABILITATION OF MOVEMENT	3	0	0	5	Within the scope of the course, the definition, classification and terminology of movement are learned, the neural and musculoskeletal systems that create movement are defined in detail, and the transfer and mobilization movements used in daily life activities are examined.
FTR 511	MOBILIZATION AND MANIPULATION METHODS	3	0	0	5	Basic information about manual treatment techniques, definition of dysfunction, joint and soft tissue examination and basic treatment techniques.
FTR 513	CLINICAL BIOMECHANIC	3	0	0	5	Basic mechanical and biomechanical principles related to rehabilitation and evaluation methods.
FTR 515	ADVANCED ELECTROTHERAPY	3	0	0	5	Low-and high-frequency currents, elektroterapideki physiological responses will be discussed, application methods, electrodiagnosis will be discussed.
FTR 517	PEDIATRIC REHABILITATION	3	0	0	5	This course is included subject of appropriate measurement and assessment methods for various and different diseases within pediatric physiotherapy and rehabilitation, Pediatric physiotherapy and rehabilitation in pediatric diseases that caused impairment, disability and handicap.
FTR 519	COMPLEMENTARY TREATMENTS	3	0	0	5	It covers in detail the Traditional and Complementary Medicine methods applied in Türkiye and the role of the physiotherapist in these areas.
FTR 521	EXERCISE PHYSIOLOGY	3	0	0	5	Muscle physiology and its functioning during exercise, production paths of ATP in exercise and recovery, circulatory system, respiratory system, blood system, hormonal system and exercise-related changes.

I.YEAR – II. SEMESTER

COURSE CODE	COURSE NAME	COURSE HOURS			ECTS	CONTENT
		T	P	L		
LEE 572	SPECIALIZATION FIELD COURSE	4	0	0	8	To plan of master thesis by using clinical decision-making process, to carry out the master thesis, and to write the master thesis.
LEE 582	CONSULTANCY	0	1	0	1	It consists of processes such as research, literature scanning, and determining the appropriate method for the thesis study, and as a result of these processes, determining a thesis topic that complies with academic writing rules.
FTR 500	SEMINAR	0	2	0	6	Literature analysis of thesis work, planning of thesis, doing of thesis, collection of data, data analysis, writing of thesis.

FTR 502	FOOT REHABILITATION	3	0	0	5	To gain knowledge about planning physiotherapy assessment and treatment programmes by investigating pathomechanic of congenital and noncongenital foot problems.
FTR 504	GERIATRIC REHABILITATION	3	0	0	5	Physiological changes in aging Functional assessment methods Application of clinical decision period Project and case studies
FTR 506	BASIC PRINCIPLES IN NEUROLOGICAL REHABILITATION	3	0	0	5	Analysis and synthesis of relevant information about theoretical and practical principles of physiotherapy approaches to neurological diseases affecting the central and peripheral nervous system.
FTR 508	CLINICAL KINESIOLOGY	3	0	0	5	Motion analysis in healthy and pathological conditions, kinetic and kinematic analysis, body tissues, kinesiology of the joints, pathologies of the musculoskeletal system.
FTR 510	ADVANCED THERAPEUTIC EXERCISES	3	0	0	5	The importance of therapeutic exercise in physiotherapy and rehabilitation The place of exercise in the clinical decision making process The evaluation of patients and the strategies to create effective exercise program based on principles of motor learning The classification of exercise, effects and principles of therapeutic exercise Determining of the problem in normal range of motion, and planning and application of exercise program for this problems Planning and application of exercise program for the problems in the different body region.
FTR 512	TECHNOLOGY IN REHABILITATION	3	0	0	5	-Definition of Technological Rehabilitation, - Technological Rehabilitation limitations, - Designing evidence-based scientific studies on Technological Rehabilitation, - Technological Rehabilitation Application methods, - Virtual reality and physiotherapy applications, - Virtual reality and physiotherapy evidence-based outcome measurements, - Video Based games and physiotherapy applications, - Video Based games and evidence-based treatment methods in physiotherapy and rehabilitation, - Robotic systems and physiotherapy applications, Robotic systems and evidence-based treatment methods in rehabilitation - Evidence-based studies with technological rehabilitation in neurological rehabilitation, - Evidence-based studies on technological rehabilitation in orthopedic rehabilitation, - Evidence-based studies on technological rehabilitation in pediatric rehabilitation, - Evidence-based studies on technological rehabilitation in geriatric rehabilitation
FTR 514	PHYSIOTHERAPY IN SPORTS INJURIES	3	0	0	5	Creating an appropriate treatment program by knowing the classification, causes and prevention of sports injuries.
FTR 516	BASIC PRINCIPLES IN ORTHOPEDIC REHABILITATION	3	0	0	5	Assessment methods used in orthopaedic rehabilitation for various problems and, theoretical and practical knowledge of their physiotherapy and rehabilitation interventions in addition to reviewing related literature and new assessment and rehabilitation concepts.
FTR 518	PHYSIOTHERAPY AND REHABILITATION FOR HEALTHY LIFE	3	0	0	5	The body's response to functionally acute and chronic exercise is to gain the knowledge, skills and attitude to evaluate physiological and physical performances for adaptation to exercise with scientific criteria and to produce projects for healthy life.
FTR 520	EXPERIMENTAL ANIMALS AND WORKING METHODS	3	0	0	5	This course involves the ethical and legal regulations related to experimental animals, the general characteristics of experimental animals, the use of experimental animals in scientific research and their basic approaches, routine techniques related to the use of experimental animals, surgical interventions in experimental animals, and the use of experimental animals in physiotherapy.

II. YEAR – III. SEMESTER

COURSE CODE	COURSE NAME	COURSE HOURS			ECTS	CONTENT
		T	P	L		
LEE 573	SPECIALIZATION FIELD COURSE	8	0	0	8	To plan of master thesis by using clinical decision-making process, to carry out the master thesis, and to write the master thesis.
LEE 583	CONSULTANCY	0	1	0	1	It consists of processes such as research, literature scanning, and determining the appropriate method for the thesis study, and as a result of these processes, determining a thesis topic that complies with academic writing rules.
LEE 591	MASTER THESIS I	0	0	0	21	1. Selecting the thesis topic, 2. Reviewing all the references with the selected topic, 3. Preparing the research proposal, 4. Developing a scale, 5. Studying on the reliability and validity of the scale, 6. Administering the scale and evaluating the findings, 7. Reporting the research results.

II. YEAR – IV. SEMESTER

COURSE CODE	COURSE NAME	COURSE HOURS			ECTS	CONTENT
		T	P	L		
LEE 574	SPECIALIZATION FIELD COURSE	8	0	0	8	To plan of master thesis by using clinical decision-making process, to carry out the master thesis, and to write the master thesis.
LEE 584	CONSULTANCY	0	1	0	1	It consists of processes such as research, literature scanning, and determining the appropriate method for the thesis study, and as a result of these processes, determining a thesis topic that complies with academic writing rules.
LEE 592	MASTER THESIS II	0	0	0	21	1. Selecting the thesis topic, 2. Reviewing all the references with the selected topic, 3. Preparing the research proposal, 4. Developing a scale, 5. Studying on the reliability and validity of the scale, 6. Administering the scale and evaluating the findings, 7. Reporting the research results.