

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**



**KTO KARATAY  
ÜNİVERSİTESİ**

**KTO KARATAY UNIVERSITY SCHOOL OF HEALTH SCIENCES**

**ERASMUS+ Course Catalogue**

**for the academic year 2019/2020 Spring Semester**

KONYA, 2019-2020

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

**(ALPHABETICAL) LIST OF COURSES WITH CODES**

KONYA, 2019-2020

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name Anatomy I -Course Code:FTR101**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS:6/week	ECTS TYPE: 6
SEMESTER: 1	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Introduction to Anatomy, Terminology, Head Bones, Axial Skeletal System Bones, Appendicular Skeletal System Bones, Axial Skeletal Joints, Appendicular Skeletal Joints, Upper Extremity Muscles, Lower Extremity Muscles, Head and Neck Muscles.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Describes the settlements of structures in the human body. Describe the functions of structures in the human body.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer,Demonstration	
ASSESSMENT METHODS: Mid-terms %20 Practice %20 Final examination %60	
LECTURER (NAME, EMAIL CONTACT): Asist Prof. Özlem AKKOYUN SERT, ozlem.sert@karatay.edu.tr	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

**Course Name Anatomy II -Course Code FTR102**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 6/week	ECTS TYPE: 6
SEMESTER: 2	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS: NONE	
CONTENTS: İntroductuon to anatomy Nervous system, Digestive system, Respiratory system, Cardiovascular system, Endocrine system, Sensory organs, Reproductive system.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Describes the settlements of structures in the human body. Describe the functions of structures in the human body.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer,Demonstration	
ASSESSMENT METHODS: Mid-terms %20 Practice %20 Final examination %60	
LECTURER (NAME, EMAIL CONTACT): Asist Prof. Özlem AKKOYUN SERT, ozlem.sert@karatay.edu.tr	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name Assessment Evaluation in Physiotherapy-Course Code FTR221**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 6/week	ECTS TYPE: 4
SEMESTER: 3	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: Patient story and general physiotherapy evaluations, basic principles of movement, posture analysis (anterior, lateral, posterior), shortness and flexibility tests, anthropometric measurements (circumference, length, diameter and fat measurements), normal joint motion and muscle strength assessments.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: They can take the stories of patients with different diagnoses, identify general problems about the patient and the disease Learn the basic principles of movement, understand the importance of these principles in physiotherapy programs. Learns the analysis of lateral, anterior, and posterior postures, and identifies the postural disturbances seen in healthy patients. Shortness and flexibility tests, anthropometric measurements, practice to learn Gain the ability to evaluate normal joint movements. Learn muscle strength measurement.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Question and Answer,Observation,Team/Group Work,Demonstration,Drill and Practice,Case Study.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name...Ataturk's Principle and Revalution History -Course Code ATA101**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS:2/week	ECTS TYPE: 2
SEMESTER:1	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS: None	
CONTENTS: The Political Area The Reforms, The Reforms Made in the Field of Law, Educational and Cultural Reforms, Revolution in Economy, Revolutions in the Social Field, Atatürk Principles, Turkish Foreign Policy During the Atatürk Period, Year of Turkey in the Second World War, Between the years 1950 -1960 Turkey	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: _ Recognize the importance of Turkish Revolution. _ Evaluates Ataturk`s Principles in a historical perspective. _ Have an idea about the basic qualities of Turkish foreign policy. _ Have knowledge about the recent history of Turkey. _ It assesses current developments by comparing them with past conditions.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name Ataturk's Principle and Revalution History II - Course Code ATA102**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 2/week	ECTS TYPE: 2
SEMESTER: 2	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS: None	
CONTENTS: Turco-Italian war, the Balkan Wars, World War I, Invasion of Anatolia, Mustafa Kemal's life, National forces, Circulars and Congresses, Parliament's opening and features, Battles period, Peace period, Ataturk Revolution, the Founding of the Republic, the Turkish Foreign Policy.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: From past to present perceiving social, economic, political development experienced in Turkish Republic. To understand and interpret notions like Principles of Ataturk, Kemalism, Kemalist thought system.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name :Athletes Health and Rehabilitation-Course Code FTR371**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS:2/week	ECTS TYPE: 2
SEMESTER:5	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS: None	
CONTENTS: Definition of sports physiotherapy, comprehension of the subjects of children and sports, women and sports subjects; Understanding training information, sports psychology, sprint nutrition and doping issues; Sports and exercise planning in chronic diseases, definition of physical fitness and identification of test batteries used in different groups; Definition of sports injuries and healing processes, Measurement, evaluation and physiotherapy and rehabilitation of sports injuries and sportsmen	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Define and comprehend sports physiotherapy, the importance of measuring and evaluating spore, principles, physical fitness and physical fitness tests applied in sports, adults, obstacles, women and children and appropriate sports subjects. Classifies the sports, soft tissue injuries to the athletes and defines the healing process. Makes sports and exercise planning in chronic diseases. Apply and apply current measurement and evaluation methods used in sports injuries. Defines treatment principles in sports injuries. Define upper extremities and columna vertebralis injuries in sports, evaluate them, use the results of evaluation in clinical decision making process, synthesize and prepare final treatment program. After sports injuries, they define the criteria for returning the athletes` spores and apply them at the basic level by planning the appropriate rehabilitation program for the athlete who is required for the return of the sport.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture, drill and practice	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	



SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Basic Information Technologies -Course Code:FTRS121**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 1	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Bsic concepts of computer, Office Programmes	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Using and management of computer Using office programs efficiently	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Back and Neck Health -Course Code:FTRS321**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 5	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: All elements of the spine, individual and group characteristics in spine health, appropriate exercise and treatment approaches, specific training in the spine	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Knows the functions of all members of the spinal column individually and in groups. The problem in a segment of the spleen knows which dysfunction is defined. Selects the appropriate exercise for the defined dysfunction.Determines the most appropriate treatment option for the defined dysfunction.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Biomechanics and Kinesiology I -Course Code:FTR222**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS:2/week	ECTS TYPE:2
SEMESTER:4	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS: None	
CONTENTS: Basic concepts and research areas related to biomechanics, forces, leverage systems, applications and clinical examples. Mechanical and mechanical principles of bone, muscle, collagen and cartilage, mechanical properties and pathomechanism, properties of joints, normal and pathological walking	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Define the basic concepts related to biomechanics Biomechanical principles can be used during movement, posture and locomotion. Understand strength, application principles and injury mechanics. They can develop preventive approaches to injury.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Homework.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
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SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Biomechanics and Kinesiology II -Course Code:FTR321**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS:2/ week	ECTS TYPE:2
SEMESTER:5	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS: None	
CONTENTS: Mechanism and pathomechanism of pelvis, hip, knee, foot / foot wrist, shoulder-arm complex, elbow, hand mechanics and pathomechanism of columna vertebralis	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Describe normal motion and function, compare with movement and function disorders seen in patients Describe the anatomical and mechanical properties of columna vertebralis and compare these features with pathological conditions. Conserve the importance of exercise with protective factors and ergonomic principles. Gains the ability to analyze pelvis, hip, knee, hand-foot-wrist joints, mechanic and pathomechanism for hands and feet, and inquiries about professional practice. Learn kinematic and kinetic values for dynamic activities involving lower extremity joints. Defines mechanical and pathomechanical information about shoulder-to-arm complex, elbow and wrist joints, and acquires the ability to reflect on the clinic.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Homework.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT): Asist Prof. Özlem AKKOYUN SERT, ozlem.sert@karatay.edu.tr	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

**Course Name:Biophysics -Course Code:FTRS101**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 1	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Motion in one dimension, motion in two dimensions, vector, work and kinetic energy, conservation of energy, collisions, rotation, torque and angular momentum, charge and matter, electric field, Gauss's law and electric potential, hemodynamics basic concepts, blood flow characteristics and viscosity, Laplace formula in the veins, bioelectrical events in the cardiac muscle, heart electro-rhythmic work, ion channels, physics of medical imaging	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: The student knows physical principles in practice of muscular system The student knows Newton`s laws of motion The student knows the basic electrical information	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,discussion,Question and Answer	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

**Course Name: Biostatistics -Course Code: FTR362**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS:2/week	ECTS TYPE: 2
SEMESTER:6	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS: None	
CONTENTS: Basic statistical concepts, Descriptive statistics, Tables and graphs, Sampling methods, Normal distribution and hypothesis tests, Correlation and regression analysis	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Students know basic biostatistics concepts Students calculate the appropriate descriptive statistics Students know basic sampling methods, standard error and confidence interval concepts Students choose the appropriate hypothesis test, apply and interpret	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer,Drill and Practice.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Cancer Rehabilitation-Course Code: FTRS322**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER:	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Approaches for increasing physical capacity and functional capacity during cancer prevention and cancer rehabilitation stages, quality of life in cancer patients, psychomotor rehabilitation approaches in cancer patients.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to:  Becomes awareness about general treatment approaches applied to cancer patients. Understand the importance of physical activity in cancer prevention. Defines and lists rehabilitation approaches that can be applied according to the stages of rehabilitation in cancer patients Learns rehabilitation principles in patients with palliative cancer Learn about psychomotor approaches in cancer patients	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer	
ASSESSMENT METHODS:  Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Cardiac Rehabilitation-Course Code:FTR 342**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS:3/week	ECTS TYPE:3
SEMESTER:6	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS: None	
CONTENTS: History of cardiac rehabilitation, definition principles, applications in the program, pathophysiology and rehabilitation of cardiovascular diseases, evaluation methods used in cardiovascular rehabilitation, treatment methods used in cardiovascular rehabilitation, program planning in cardiovascular rehabilitation	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Explains the basic concepts of cardiac rehabilitation. Describe the clinical features of cardiovascular diseases. Patients with cardiovascular problems are assessed physically, physiologically and functionally. Practice physiotherapy and rehabilitation approaches in patients with cardiovascular problems It assesses the quality of life and psychosocial status in patients with cardiovascular problems and gives home programs. Analyzes risk factors in people with cardiovascular risk. It modifies patient education and behavior in people with cardiovascular risk.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Team/Group Work,Demonstration,Problem Solving,practice, application.	
ASSESSMENT METHODS: Mid-terms %20/Practice %20/Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	



SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Clinic Orthopaedics -Course Code:FTR252**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS:2/week	ECTS TYPE: 2
SEMESTER: 4	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Soft tissue traumas, formation, findings, types, shoulder, elbow, hand-wrist, cervical, thoracic and lomber, knee, knee, Ankle-foot pathologies	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: students will be able to define basic concepts and definitions of fracture definition, formation, findings, types, classification, healing and treatment methods and fracture complications.  students can identify soft tissue traumas, occurrences, findings and types.  students can identify pathologies that are frequently encountered in the upper extremity and where physiotherapists receive intensive care.  students can identify pathologies in the backbone and on the lower extremity that are commonly encountered by physiotherapists.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture, Question & Answer, Demonstration, Drill - Practice	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

**Course Name: Clinical Practice I -Course Code:FTR401**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS:20/week	ECTS TYPE: 15
SEMESTER:7	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS: None	
CONTENTS: Patient evaluation, physiotherapy program planning and application training in orthopedics, neurology and cardiopulmonary clinical departments and units	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: It can evaluate, interpret and record physiotherapy in Orthopedic, Neurological, Respiratory and Cardiac diseases. Can create and implement patient-specific physiotherapy and rehabilitation programs for orthopedic, neurological, respiratory and cardiac diseases They can communicate with the patient and his / her family, and give information to patients and families about physiotherapy.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture, Question & Answer, Demonstration, Drill - Practice	
ASSESSMENT METHODS: Practice %50 Final examination %50	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Clinical Practice II-Course Code: FTR 402**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS:20/week	ECTS TYPE: 15
SEMESTER:8	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS: None	
CONTENTS: Orthopedics, neurology and cardiopulmonary etc. patient evaluation in clinical department and units, physiotherapy program planning and application training	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Students can evaluate, interpret and record physiotherapy in Orthopedic, Neurological, Respiratory and Cardiac diseases. Can create and implement patient-specific physiotherapy and rehabilitation programs for orthopedic, neurological, respiratory and cardiac diseases Can communicate with the patient and his / her family, and give information to patients and families about physiotherapy.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture, Question & Answer, Demonstration, Drill - Practice	
ASSESSMENT METHODS: Practice %50 Final examination %50	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Clinical Problem Solving in Physiotherapy -Course Code:FTR412**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER:	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Developing the skill of designing a treatment program for short and long term resolution of these problems, Group work, business alliance, division of labor, common point of view, contributing to developing behaviors and attitudes, library and web researching base resources and improving knowledge access skills, Providing and developing presentation and communication skills	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Identifying problems by evaluating the case List and group problem related problems Developing the ability to design treatment programs for short and long term solutions of these problems Contribution to group work, business union, division of labor, common point of view, behavior and attitude development Developing libraries and web-based resources for research and information access skills, Gaining and developing presentation and communication skills	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture, Question & Answer, Demonstration, Practice.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Current Approaches in Physiotherapy -Course Code: FTRS412**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 8	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Current approaches to rehabilitation, whose effectiveness is determined by the literature and / or are in project phase, will be explained.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Know and apply current approaches to physiotherapy and rehabilitation To learn the current treatment principles of physiotherapy and rehabilitation.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,discussion,Question and Answer.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Communication Tecniques -Course Code:FTRS212**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 4	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Basic Concepts of Communication, Characteristics of Communication Process, Oral Communication, Nonverbal Communication, Persuasive Communication Techniques, Cultural Differences and Communication, Communication Skills and Personality Analysis Test Applications	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to:  Defines the basic concepts related to the field of communication sciences.  It expresses the communication process and the characteristics of the items in the process.  Effectively applies the elements necessary for effective speaking. The knowledge, skills and competencies that they acquire embody the importance of ethical principles in terms of lifelong individual and social goals.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Collective Service Practices -Course Code: FTRS432**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 8	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Community and collective service applications and basic concepts about social responsibility projects, The importance of collective service applications and social responsibility projects, Determination of the target audience problem, Producing the solution proposal for the determined problems, Today's collective service applications: Public institutions and NGO's collective service practices and social Responsibility projects, Researching social responsibility projects and collecting service applications in our city, Organizing panels, conferences, information seminars Volunteering in various projects on social responsibility framework	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Families, women, children, disabled, elderly, near martyrs and gas targets determine the needs of the kittens. Develops projects and actively takes part in projects. Participates in scientific events such as panels, conferences, congresses, symposiums as audience, speaker or organizer. It creates social awareness and awareness. Business association develops solidarity, effective communication skills.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer.	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

ASSESSMENT METHODS:

Mid-terms %40

Final examination %60

LECTURER (NAME, EMAIL CONTACT):



SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Computer Networks -Course Code: CSC302**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 6	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS:  Computer network protocols, internet usage, addressing, network hardware units.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to:  The computer will describe network elements and use network protocols.  Know LAN, MAN and WAN concepts. Describes network elements.  Know what to address  File transfer protocol FTP, electronic mail SMTP and DNS are known. Describe the cabling and network hardware units used in computer networks  Knows the cables used in networks. Selects the appropriate cable for the network to be installed.  Know network hardware units. Know your Ethernet switches.	

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LITERATURE (OPTIONAL):
TEACHING METHODS: Lecture,Discussion.
ASSESSMENT METHODS: Mid-terms %20 Practice %20 Final examination %60
LECTURER (NAME, EMAIL CONTACT):

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Career Planning -Course Code: FTRS421**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 7	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Login. Care for career planning and development. Effective CV preparation. Successful business applications and job interviews and career planning. Physiotherapy and Rehabilitation current state of the sector and the problems in Turkey. The status and future of the World Physiotherapy and Rehabilitation sector. Passing successful physiotherapists' experiences about their careers and presenting their proposals about their working life.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Describe career options in physiotherapy and rehabilitation. CV preparation is equipped for job interview preparation. Becomes conscious about career planning and industry expectations. Communication can interpret skill and body language	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer.	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

**ASSESSMENT METHODS:**

Mid-terms %40

Final examination %40

**LECTURER (NAME, EMAIL CONTACT):**

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Culture Description and Karatay Madrasah-Course Code: MED101**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS:3/week	ECTS TYPE: 3
SEMESTER: 7	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Karatay Madrasa, faculty, foundation and architectural characteristics of the brief information about. The concepts of civilization and culture, the basic elements of the birth of civilization. Fundamental sources of the Turkish-Islamic civilization, founding elements of the Turkish-Islamic civilization, some reflections of the Turkish-Islamic civilization.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Learns the history of the geography Learn the concepts of civilization, mysticism and madrasa Learns the Karatay Medresesi cult and its reflection on Karatay University. Learns the contributions of Islamic scholars and the Medrese to the development of science. Describes the role of man in the course of civilization, starting from the history of this geography.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture, Question & Answer.	
ASSESSMENT METHODS:	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

Mid-terms %40  
Final examination %60

LECTURER (NAME, EMAIL CONTACT):

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Disabled People And Community-Course Code: FTRS221**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 3	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Physical activity and exercise, Psychological problems and counseling services, Education, Sports, Physical internal environment management, Protective approaches, Classification of disability, Social policies and disability rights, Employment, Transportation and traffic.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to:  Define basic concepts and principles related to disability  Know the classification of disability.  Define the problems facing the disabled in society  Know the rights of the disabled person  They know how to create and apply exercise programs in individuals with different disabilities.  To know the necessary evaluation and physiotherapy approaches for the disability  Rehabilitation team knows how to work, and can organize	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

LITERATURE (OPTIONAL):
TEACHING METHODS: Lecture,Discussion,Question and Answer.
ASSESSMENT METHODS: Mid-terms %40 Final examination %60
LECTURER (NAME, EMAIL CONTACT):



SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: English I-Course Code:FTR141**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS:3/week	ECTS TYPE:3
SEMESTER:1	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS: None	
CONTENTS: This course enhances your English awareness. It attaches importance to the communicative skills of academic reading and listening based on the assimilation of critical thinking by the student	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Ability to use basic phrases used in daily life will allow you to continue daily life. To comprehend frequently used phrases and sentences in listening and reading texts Being able to promote itself appropriately in social situations.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture, Question & Answer, Demonstration, Drill – Practice.	
ASSESSMENT METHODS: Mid-terms %40Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:English II.-Course Code:FTR142**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS:3/week	ECTS TYPE:3
SEMESTER:2	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: This course includes terminology for physiotherapy and rehabilitation and learning of the used molds by the student while increasing his English awareness. It attaches importance to the communicative skills of academic reading and listening based on the assimilation of critical thinking by the student	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Be able to use the basic expressions used in daily life to ensure that they can maintain daily life. To be able to comprehend frequently used expressions and sentences in many listening and reading texts Be able to introduce himself / herself in a social environment.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture, Question & Answer, Demonstration, Drill – Practice.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Electrotherapy I-Course Code:FTR201**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 5/week	ECTS TYPE: 4
SEMESTER: 3	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Electrophysical mechanisms, physiological responses of muscles and nerves, healthy and renal muscular arousal characteristics will be discussed, basic characteristics of low frequency and medium frequency currents and application principles will be discussed.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Learn the electrical properties of the tissues Understands the principles of muscle and nerve stimulation. Gains knowledge and skills about low and medium frequency currents.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Drill and Practice.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Electrotherapy II-Course Code:FTR202**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 5/week	ECTS TYPE: 4
SEMESTER: 4	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Thermal mechanisms, physiological responses in electrotherapy will be discussed and basic properties and application principles of high frequency currents will be discussed.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Learns high frequency currents . Gains knowledge and skills about the effects of high frequency currents on tissue and application techniques.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Drill and Practice.	
ASSESSMENT METHODS: Mid-terms %20 Practice %20 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Infectious Diseases -Course Code: FTRS231**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS: 2/week	ECTS TYPE: 3
SEMESTER: 3	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: What Is An Infection? Fever and fever in febrile patients with fever approach to the patient examination and medical history of the pathogenesis and Prevention of healthcare personnel patient risk of infection, bacterial cell structure the application NBA tetanus brucellosis diagnosis and treatment, approach to the patient with diarrhea, shigellosis " or bacillary dysentery, amoebic dysentery, typhoid fever–typhoid salmonellosis and infectious diseases, acute viral encephalitis, meningitis and gastroenteritis out of the emergency desired diagnostic methods parasitic infections, sexually transmitted diseases FAQ infeksi. Laboratory applications rabies and prevention methods immunisation in adults chlamydial infections peripheral diffusion evaluation infective endocarditis, Q fever,immunization in adults extrapulmonary tuberculosis streptococcal infections staphylococcal infections spread and approach to febrile patient acute viral hepatitis chronic viral hepatitis hospital infections and prevention methods seminar, approach to sufferer rash patient basic principles of antibiotic use in clinical practice basic principles of antibiotic use.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to:  Makes the differential diagnosis of infectious diseases Explains the role of laboratory tests in the diagnosis of infectious diseases. Knows the principles of antibiotherapy.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Question and Answer.	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

ASSESSMENT METHODS: Mid-terms %40 Final examination %60

LECTURER (NAME, EMAIL CONTACT):

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Exercise Physiology-Course Code:FTR231**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 2/week	ECTS TYPE: 2
SEMESTER:3	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Cardiovascular system and exercise, cardiovascular regulation and integration, assessment of functional capacity of the cardiovascular system, measurement of individual differences and energy capacity, exercise tests, energy expenditure at rest and physical activity, aerobic and anaerobic training, factors affecting maximal aerobic power, recovery, pulmonary system and exercise , respiration control, acid-base balance, muscle physiology, musculoskeletal and exercise, nerve physiology, excitation, inhibition, neural control, proprioception and kinesthesia, measurement and enhancement of muscle strength, exercise and hormonal system, ergogenic help, thermoregulation and exercise , underwater and high altitude physiology, body composition.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Define acute and chronic responses to exhalation from the heart, circulation, respiration, musculoskeletal and nervous system. Energy transfer in the body explains energy expenditure during rest, physical activity and exercise. Describe the principles and basic concepts of anaerobic and aerobic exercise training Describe the effects of personal and environmental factors on exhalation. Learn basic physiological responses after exercise Learn how to create exercise prescription and schedule the program.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Drill and Practice	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

**Course Name: First Aid-Course Code:FTRS351**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 5	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Causes of disasters, importance and history of first aid. First Aid Features. Evaluation of the individual and the accident environment. Patient and injured transport techniques. Shock and Bleeding.Cardiopulmonary resuscitation.Cardiopulmonary resuscitation.Medical Emergency.Loss of Consciousness and Coma.Traumas, Fracture-Dislocation / Splint and Bandage.Poisoning and Animal Bite.Burn, Freezing and Heatstroke, Strangulation.Civil defense.	
EFFECTS OF EDUCATION PROCESS: To be able to define information about first aid applications To be able to apply first aid information in case of emergency To be able to define information about first aid applications in traumas To be able to define information about first aid applications in poisoning To be able to define information about first aid practices in disasters	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Practice.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	



SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Geriatric Rehabilitation -Course Code:FTRS301**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 5	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Physiological changes in aging, Functional evaluation methods, Application of clinical decision making process, Project and case studies	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Describe the clinical features observed in geriatric healthy and ill persons and relate them to appropriate physiotherapy and rehabilitation approaches. Learn about the physiological responses of geriatric patients in various diseases. Gain experience in geriatric patient evaluation, identification and interpretation of patient problems. Plan and apply appropriate treatment approaches In various illnesses with geriatric disease, he / she acquires multidisciplinary working ability with other health personnel providing geriatric care.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Answer and Question.	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

**ASSESSMENT METHODS:**

Mid-terms %40

Final examination %60

**LECTURER (NAME, EMAIL CONTACT):**

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Graduation Thesis-Course Code:FTR411**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 2/week	ECTS TYPE:3
SEMESTER:8	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Determination of topics to be determined by the student with the thesis supervisor and related current literature, monitoring new developments	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: To be able to synthesize, analyze and interpret the information gathered about the thesis topic of the thesis, Collecting, evaluating and publishing data related to the thesis topic, observing scientific and ethical values at the stages of publication, Ability to construct, develop, apply and evaluate the results of a thesis, The ability to meet problems in the thesis subject, solve problems by using research methods, developing new approaches and taking responsibility, Ability to transcribe current developments and their own work in writing, verbally and visually.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer.	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

**ASSESSMENT METHODS:**

Assingnment %100

Final examination %60

**LECTURER (NAME, EMAIL CONTACT):**

**Course Name: Hand rehabilitation-Course Code:FTRS312**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 6	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Anatomic and biomechanical principles of hand and upper extremity, soft tissue problems, fractures, joint problems, rehabilitation principles after nerve injuries	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Understanding the basic principles of hand rehabilitation To be able to plan rehabilitation in hand / upper extremity problems.	
LITERATURE (OPTIONAL):	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

TEACHING METHODS: Lecture,Discussion, Question and Answer.
ASSESSMENT METHODS: Mid-terms %40 Final examination %60
LECTURER (NAME, EMAIL CONTACT):

**Course Name: Health Law-Course Code: FTRS411**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 7	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Patient rights, legal rights and obligations of physiotherapists, health legislation and regulations in Turkey	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to:

Know national legislation in health law

Know to follow national legislation

Know patient rights

LITERATURE (OPTIONAL):

TEACHING METHODS: Lecture,Discussion,Question and Answer.

ASSESSMENT METHODS:

Mid-terms %40

Final examination %60

LECTURER (NAME, EMAIL CONTACT):

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Healthy Living and Exercise -Course Code:FTRS102**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 2	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: The concept of health, personal and environmental factors on healthy life, health and exercise relationship, problems caused by sedentary lifestyle on body, health effects of exercise, understanding exercise, physical activity and sport concepts, health related physical fitness parameters, exercise classification, exercise prescription for health related physical fitness parameters, exercise in children and elderly, exercise planning in different diseases, effects of exercise on body systems and organs	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to:  . Describe the types of exercises and understand the importance of exercise. Plans and practices exercise programs in different patient groups and body regions.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer.	
ASSESSMENT METHODS:  Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Heat, Light in Physiotherapy -Course Code:FTR122**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 2/week	ECTS TYPE:2
SEMESTER:2	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Heat treatment, physical effects of heat, Light therapy, Inflammation, Pain Light therapy, Laser, Infrared, Ultraviolet, Heliotherapy, Cold application	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Explain and select the effect of superficial temperature modalities on inflammation and pain Defines physical and physiological effects of superficial temperature modalities and solves problems. Explain the physical and physiological effects of infraruj, laser, UVL, heliotherapy and cold application, determine indications and contraindications,	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture, Question & Answer, Demonstration, Drill – Practice.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	



SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Histology-Course Code:FTR132**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 2/week	ECTS TYPE:2
SEMESTER:2	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Structure, functions and functions of the cell Types, structure and functions of the cells brought into the cells Examination of the preparations prepared from the tissues and cells constituting these cells under a light microscope To determine which tissues and cells belong to the preparation under microscope	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Understand the anatomical, physiological and histological structures and functions of basic tissues.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture, Question & Answer.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Hydrotherapy-Course Code:FTR271**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 2/week	ECTS TYPE:2
SEMESTER: 3	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Tests used in hydrotherapy, History of hydrotherapy, Physiological effects of hydrotherapy, Partial immersion baths, Butterfly bath, Therapeutic showers, Humid temperature practice.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Acquire theoretical and practical skills in the selection of the appropriate treatment modality, its application principles and its application in clinical conditions.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture, Question & Answer, Demonstration, Drill – Practice.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Innovation in Education-Course Code:FTRS122**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 2	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: What is Innovation? How to Innovation? Innovative Culture Building, Market Product and Technology Strategy and Planning, Creating Innovative Projects, Understanding and Learning, Listening and Thinking, Producing and Analyzing	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: To provide students with an understanding of creativity and innovation.  To learn about the design of educational environments in ways that will enable them to gain today`s and tomorrow`s skills.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Answer and Question.	
ASSESSMENT METHODS:  Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Internal Medicine-course Code: FTR281**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 2/week	ECTS TYPE:
SEMESTER:3	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Cardiovascular Diseases, Respiratory System Diseases, Gastrointestinal System Diseases, Oncological Diseases, Hematological Diseases, Urinary System Diseases, Endocrine and Metabolic System Diseases	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Identify and learn the internal sciences, rheumatic, neurological and pediatric diseases. Have knowledge about the diagnostic evaluation and treatment options of internal sciences, rheumatic, neurological, pediatric diseases.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Introduction to Physiotherapy and Ethics-Course Code:FTR131**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE:Compulsory
NUMBER OF HOURS: 2/week	ECTS TYPE: 2
SEMESTER:1	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS: None	
CONTENTS: The concept of ethics, ethical approaches, physiotherapy professional ethics rules in the world and Turkey, physiotherapist's duties and responsibilities, definition of rehabilitation, disability and disability concepts, patients' rights regulations, the application fields of physiotherapy and rehabilitation.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Define physiotherapy and rehabilitation education and area of practice Acquire knowledge of legal regulations for physiotherapy and rehabilitation practices. Acquire knowledge of physiotherapy and rehabilitation professional practices. Learn the principles of teamwork and the role of the physiotherapist in the team.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer,Practice.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Manipulative Therapy I-Course Code:FTR211**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 3/week	ECTS TYPE:4
SEMESTER:3	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Mechanical, physiological, psychological and reflex effects of specific massage techniques, evaluation methods, practical applications, and indications and contraindications of these methods in determining post-operative activity.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Students can describe the treatment massage. Students acquire basic information about reflex, mechanical, physiological and clinical effects of massage methods and techniques. Learns the pathologies that may be contraindicated in massage. Learn how to make the necessary assessments in the planning of massage therapy and plan as treatment option in cases of endemic. Applied methods and techniques can be applied.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Demonstration,Drill and Practice	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Manipulative Therapy II -Course Code: FTR212**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 3/week	ECTS TYPE:4
SEMESTER:4	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Basic features of joint and soft tissue functional anatomy, biomechanics and pathomechanism, manipulation, mobilization and transverse friction techniques, basic measurement, evaluation and manual treatment applications in joint and soft tissue pathologies, clinical decision making and case examples.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Describe functional anatomy of columna vertebralis and peripheral joints Mobilizing, manipulating and understanding the mechanisms of action of transverse friction techniques Describe the clinical features of joint and soft tissue problems, evaluate and apply basic evaluation methods Observes and repeats applications of mobilization and manipulation techniques. It decides on the manual treatment technique to be used in joint, ligament, tendon and muscle injuries,	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Demonstration,Drill and Practice	
ASSESSMENT METHODS: Practice %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Medical Biology & Genetics -Course Code:FTR121**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE:Compulsory
NUMBER OF HOURS: 2/week	ECTS TYPE:2
SEMESTER:1	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Live and Live Science, cells, cell organelles, Cytoskeleton, Cell Membrane Transport and stimulus transmission, cellular energy and metabolism, cell cycle and division, Reproduction and Development Biology, Structure and growth of genetic material protein synthesis, Mendelian Genetics, Cancer and Apoptosis Hereditary Diseases, Population Genetics, the Human Genome Project, genetic counseling	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: To summarize vitality and structures that make up the vitality. To explain the construction of important biological and cellular molecules. To express current biological issues.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Demonstration.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	



SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Neuroanatomy-Course Code:FTR241**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 2/week	ECTS TYPE:2
SEMESTER:3	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Introduction to neurophysiology,central nervous system organization,sleep physiology, Cerebrospinal fluid, Blood brain barrier, Thalamus, Hypothalamus, Reticular formation, Basal ganglia, Cerebellum, Sensory processing, Motor cortex, Control of voluntary movement, Speech, Learning, Memory, Pain.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Physiological mechanisms explain cell, muscle and organ physiology. Has basic knowledge about neurophysiology.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Neurological Rehabilitation I-Course Code: FTR301**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 4/week	ECTS TYPE:3
SEMESTER:5	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Medulla spinalis injuries, spasticity, ataxia, multiple sclerosis.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Describe the clinical features of neurological diseases. Classify diseases according to their central and peripheral nervous system effects and describe the clinical features of lower and upper motor neuron influences. Obtain basic and neurophysiological measurement and evaluation methods for evaluation of lower and upper motor neuron influences. Defines the effects of the neurological disease on body functions, activity and participation, and plans the treatment schedule in the clinical decision-making process. Selects the appropriate neurophysiologically based treatment program for the disease and is practiced at the basic level.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,practice-exercises, group work and project.	
ASSESSMENT METHODS: Mid-terms %20 Practice %20 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Neurological Rehabilitation II-Course Code: FTR302**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 4/week	ECTS TYPE:3
SEMESTER:6	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Basic characteristics of vestibular exercises, Basic characteristics of equilibrium exercises, Practice methods of these exercises according to the clinical stage of the disease, Physiological mechanisms of physiological mechanisms of physiology and inhibition, Muscle fibril types and importance of exercise	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Describe the features and neurophysiological effects that distinguish special exercises used in neurological rehabilitation from other exercise methods. Decides on the exacerbation according to the neurological disease and the clinical features of the disease. These exercises are applied at basic level Updates the exercise program according to the changing needs of the patient.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,practice-exercises, group work and project.	
ASSESSMENT METHODS: Mid-terms %20 Practice %20 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Neurology-Neurochirurgy-Course Code: FTR242**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 2/week	ECTS TYPE:2
SEMESTER:4	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Sense and Motor System, Neurological Diseases, Medulla Spinalis Diseases, Neurological Diagnosis Methods	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Know the development, functions and structures of the neurological system Know neurological system diseases, disorders of consciousness caused by neurological system. Know movement disorders caused by neurological system	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Team/Group Work,Demonstration	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Neurophysiological Approaches I-Course Code:FTR311**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 4/week	ECTS TYPE:3
SEMESTER:5	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: The role of neurophysiological mechanisms in motion control, Theoretical foundations of Proprioceptive Neuromuscular Facilitation (PNF) techniques, Application patterns of PNF techniques, Case studies	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Describe the mechanisms of neurophysiological effects of PNF techniques. Indicates the place and intended use of PNF techniques in therapeutic exercises. Gain problem solving skills for facilitating or inhibiting purposes in different neuromuscular system disorders. PNF techniques gain application skills in different clinical situations.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Team/Group Work,Demonstration,Drill and Practice.	
ASSESSMENT METHODS: Mid-terms %20 Practice %20 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Neurophysiological Approaches II-Course Code: FTR312**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 4/week	ECTS TYPE:3
SEMESTER:6	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Clinical features after stroke, conceptual dimension of neurophysiological approaches, measurement, evaluation and treatment applications in neurophysiological approaches, application of clinical decision making process, case studies	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Describe the clinical features seen after stroke and relate them to neurophysiological approaches used in therapy. Normal motion and function can be compared with definitions and movement and function disturbances seen after stroke Evaluate basic and neurophysiologically based assessment and evaluation methods used after stroke Describe the clinical problems after stroke, apply the clinical decision-making process and plan the treatment program. Compares, chooses and applies at the basic level the most commonly used and current neurophysiological treatments / approaches after stroke in a patient-based approach.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Team/Group Work,Demonstration,Drill and Practice.	
ASSESSMENT METHODS: Mid-terms %20 Practice %20 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course:Name Neurophysiology-Course Code:FTR251**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 3/week	ECTS TYPE:2
SEMESTER:3	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Clinical features of the peripheral nervous system, clinical features of the muscles and pathologies of the inner parts, clinical anatomy of the medulla spinalis, brain stem, diencephalon and telencephalon macroanatomy, functions and parallels, clinical features of the autonomic nervous system and pathologies.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: The macro and micro anatomy and properties of the central, peripheral and autonomic nervous system. Describe the functions and functions of neuroanatomical structures. They determine the interactions between the motor-sensory and perceptual processes. Describe the signs and symptoms that may result from dysfunctions of neuroanatomical structures.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Team/Group Work,Demonstration.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Normal Motor Development -Course Code: FTR261**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 2/week	ECTS TYPE:2
SEMESTER:3	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Developmental terminology, embryonic development, factors affecting movement development, musculoskeletal factors, cardiopulmonary factors, oromotor factors, movement components, postural reactions, basic stones in movement development, neonatal, infant and toddler.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Know the development process. It can list stages of motor development within the development process. Understanding of abnormal development To be able to explain what different developments might be and how to approach them	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Team/Group Work,Demonstration,Drill and Practice.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	



SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Nutrition -Course Code: FTRS211**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 3	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Macro and micronutrient ingredients in healthy nutrition, structure, properties, classification, functions, sources, daily intake recommendations, inadequacy, overblown and toxicants. It is the identification of nutrients in food and food groups in special cases.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to:  Understand the importance of energy and macronutrients (carbohydrates, protein and fat) in healthy nutrition and body function. Evaluates the energy in terms of carbohydrate, protein and fat content  Has knowledge about nutrition principles in different disease groups, healthy individuals and sportsmen	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Answer and Question.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Occupational Therapy-Course Code:FTR322**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 2/week	ECTS TYPE:
SEMESTER:6	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: The role of work and occupational therapy (ergotherapy) in team work, Evaluation and education of daily living activities, Principles and applications of transfer activities, Hand, sense, sensory integration evaluations and treatment, Principles of occupational therapy approach in different problems	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Describe the overall performance of work and occupational therapy. It makes basic assessments in the areas of job-hunting performance. The basic principles of occupational therapy can be found in different problematic patients. According to the evaluation results, the occupational therapy approaches are basically applied	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Conference type course, practical application, problem based teaching sessions, group seminars.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Orthotics and Rehabilitation-Course Code: FTR351**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 3/week	ECTS TYPE:3
SEMESTER:5	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: The technical and biomechanical control of the orthosis, the pathomechanical conditions to be used orthosis, the aims of the orthoses, the materials and technology used, the upper and lower extremity orthoses and rehabilitation, trunk orthoses and rehabilitation, solutions and solutions for problems and complications.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Determines the orthosis need and decides the orthosis. Plan and evaluate the necessary evaluations before and after the application in patients with an orthosis indication In patients using orthotics, controls the compatibility of the orthosis and observes the need for modification. Correlate possible complications with orthotic practices Gives the necessary advice during the use of the orthosis, grasps the importance and system of monitoring the patient for a long time. The importance of pursuing up-to-date technological developments in orthosis Plans and implements a treatment program that will increase the effectiveness of the orthosis.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Drill and Practice,Case Study	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Orthopedic Rehabilitation-Course Code: FTR331**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 4/week	ECTS TYPE:3
SEMESTER:5	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS:. General treatment principles of fractures and physiotherapy and rehabilitation approaches after various fractures; conservative treatment of conditions leading to joint degeneration such as rheumatoid arthritis, osteoarthritis, ankylosing spondylitis, and rehabilitation principles after joint replacement surgery such as endoprotheses; tendonitis and tears of the rotator cuff, rehabilitation of pathologic shoulder joints such as bursitis and periartthritis; posterior patellofemoral pain syndrome, rehabilitation of ligament and meniscus injuries.	
EFFECTS OF EDUCATION PROCESS: Describe orthopedic problems Describe the musculoskeletal system injuries and degenerative joint diseases in the orthopedic and know the complications related to them. In orthopedic situations which require surgery, they know the basic concepts about surgical procedure and realize the points to be considered. Applies general and pathological special measurement and evaluation methods in orthopedic problems. They can know the general treatment principles related to musculoskeletal injuries and degenerative conditions in the orthopedic and can determine the need for situations requiring physiotherapy and rehabilitation. For patients who have undergone or have undergone surgery, the situation and pathology determine and apply the most	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

appropriate physiotherapy and rehabilitation program.

LITERATURE (OPTIONAL):

TEACHING METHODS: Lecture,Discussion,Drill and Practice,Case Study

ASSESSMENT METHODS:

Mid-terms %20

Practice %20

Final examination %60

LECTURER (NAME, EMAIL CONTACT):

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Pain And Physiotherapy -Course Code: FTRS311**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER:	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Pain pathophysiology, pain assessment and physiotherapy approaches used in pain relief, preventive services in rehabilitation, disease process management and theories of coping with pain, recognition of different types of pain and the necessary treatment approaches	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Learn pathophysiology of pain. Learns the differences between acute and chronic pain. Apply the pain assessment methods used in the field of physiotherapy and rehabilitation. It can determine the symptoms of pain that reveal the need for physiotherapy and rehabilitation, determine the appropriate treatment approaches, and apply it. Guide the patient with the recommendations and preventive approaches needed to maintain his or her life with pain	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Answer and Question.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Pathophysiology-Course Code: FTRS112**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2 /week	ECTS TYPE: 3
SEMESTER: 2	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Deficits such as cellular damage, adaptation, damage to tissue response such as necrosis, neoplasia, haemodynamic disorders	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to:  Identify and analyze pathological problems using basic information  To provide evidence based solutions in pathological problems	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Answer and Question.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name :Pediatric Rehabilitation-Course Code:FTR361**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 4/week	ECTS TYPE:3
SEMESTER:5	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Includes assessment and physiotherapy and rehabilitation in diseases that cause disability and disability in the pediatric group.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Describe the concept and scope of pediatric rehabilitation. Know the conditions causing functional disability, apology and obstruction in the pediatric group. Children with lower motor neuron lesions use physiotherapy evaluations and apply the rehabilitation program. Cerebral Palsy uses physiotherapy evaluations in children and the rehabilitation program is applied Torticollis, congenital brachial plexus injuries, risky infants, and other conditions common in childhood, such as mental motor retardation, are used and the physiotherapy rehabilitation program is applied.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Theoretical and Practical Application.	
ASSESSMENT METHODS:Mid-terms %20 Practice %20 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	



SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Pediatrics-Course Code:FTR262**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 2/week	ECTS TYPE:2
SEMESTER:4	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Different pediatric diseases, evaluation methods used in these diseases, examination.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Children recognize musculoskeletal disorders and important rheumatic diseases Know general clinical features of cerebral palsy. Describe clinical information about muscle diseases and peripheral neuropathies Definition of allergy and allergic diseases in childhood. Drug allergies and frequent recurrent lung infections in childhood Know the musculoskeletal pathologies related to obesity. Know healthy child`s neurological and motor development.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture, Question & Answer, Demonstration, Drill - Practice	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

**Course Name:Pharmacology -Course Code:FTRS201**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 3	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: General Pharmacology, Nonsteroidal antiinflammatory drugs, Drug information specially used for diseases.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Define basic concepts in pharmacology and toxicology. The mechanisms of action of pharmacological agents and the biologic responses they create Evaluates the pharmacodynamic and pharmacokinetic properties of effective drugs in the organ systems and the side effects of these drugs	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Answer and Question.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Physiology I-Course Code:FTR111**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 3/week	ECTS TYPE:4
SEMESTER:1	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Introduction to Physiology, Cell Physiology, Dice Physiology, Muscle Physiology, Circulatory Physiology, Heart Physiology.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: To have basic knowledge of cell physiology. To have basic knowledge of central nervous system physiology To have basic knowledge of muscle physiology. To have basic knowledge of circulation physiology.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

**Course Name:Physiology II-Course Code:FTR112**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 3/week	ECTS TYPE:4
SEMESTER:2	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Medical Physiology: canine-respiratory-evacuation-digestive-endocrine system-sensory physiology	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Having basic knowledge about respiratory physiology Have basic knowledge about digestion physiology. Have basic knowledge about physiology of energy and metabolism Has basic knowledge about excretion and endocrine physiology. Has basic knowledge about sense physiology. Has basic knowledge about blood physiology	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Postural Disorders and Exercise -Course Code: FTRS431**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 7	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Evaluation and rehabilitation of postural disorders.	
EFFECTS OF EDUCATION PROCESS: Learn to identify and evaluate postural disorders. Learn proper physiotherapy and rehabilitation approaches in postural disorders.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

**Course Name:Public Health -Course Code:FTRS332**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 6	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Health services and national organization, public health and physiotherapy in different diseases, community based physiotherapy	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Know the place, scope and importance of physiotherapist in public health. Defines physiotherapy models in public health Defines and recognizes the importance of community based physiotherapy. Understand the importance of recording, evaluation and communication within the context of physiotherapy in public health	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Professional Ethics and Ahi Order-Course Code:AHİ102**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 3/week	ECTS TYPE:3
SEMESTER:8	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:	
CONTENTS: To give information about the ethics of the profession with the organization of Ahilik which emerged in Anatolia in the 13th century and contributed to the establishment of the Ottoman State.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: The student learns the concept of Ahilik with this course. This course helps to develop professional sensitivity. The student has knowledge about professional ethics with this course.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Prosthetics and Rehabilitation-Course Code: FTR352**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 2/week	ECTS TYPE:2
SEMESTER:6	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Amputation, amputation reasons, levels, congenital limb deficiency, partial hand and foot prostheses, prosthesis applications and component selection according to upper and lower extremity amputation levels, static and dynamic adjustment of prosthesis, control mechanisms, gait problems in lower extremity amputees, early and temporary prosthesis myoelectric prostheses, advanced technological prosthesis applications and amputee rehabilitation	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Introduction to prosthesis and amputee rehabilitation Amputation etiology He has information about amputee rehabilitation. Gain ability to plan and apply appropriate treatment program for amputees.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Demonstration,Drill and Practice,Case Study	
ASSESSMENT METHODS: Mid-terms %40Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	



SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Pulmonary Rehabilitation-Course Code: FTR341**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 3/week	ECTS TYPE:2
SEMESTER:5	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Physiotherapy and rehabilitation in pulmonary rehabilitation, physiotherapy and rehabilitation after pulmonary surgery, respiration aids, oxygen therapy, aspiration, respiratory problems, neonatals, physiotherapy and rehabilitation, energy consumption in daily activities.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Explain the basic concepts related to pulmonary rehabilitation. Describe the clinical features of respiratory diseases. It evaluates patients with respiratory problems in a comprehensive way in terms of physical, physiological and functional. Applies physiotherapy and rehabilitation approaches in patients with respiratory problems. Evaluates quality of life and psychosocial status in patients with respiratory problems. Patients with respiratory problems provide energy for daily activities. Physiotherapy and rehabilitation therapy assist devices are used in patients with respiratory problems.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Demonstration,Drill and Practice,Case Study.	
ASSESSMENT METHODS: Mid-terms %20 Practice %20 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Preventive Physiotherapy-Course Code: FTRS341**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 5	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: The concept of health, the methods and legislation related to the protection of health include the services of the physiotherapy profession in the field of preventive health.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Health can define basic concepts related to health, all situations that affect health. Can define institutional, social building in health protection and promotion. Identify target groups and services for preventive health services. Describe the roles of health workers in community health. Can compare preventive services at different stages of health care. In preventive health services, physiotherapy can plan, perform and interpret rehabilitation-specific field studies.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

**Course Name: Psychology-Course Code: FTRS111**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER:	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: This course consist of history of psychology, definiton of psychology and main approaches of some psychology sub-fileds related with basic sciences.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: The student will learn define, history, research methods, subfields of psychology. Tell to main interests an approaches of social, developmental, clinical psychology.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

**Course Name: Radyology-Course Code: FTRS202**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2 /week	ECTS TYPE: 3
SEMESTER: 4	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Basic concepts in radiology; basic topics in radiography, computed tomography and magnetic resonance imaging, general information on extremities, spine and thorax radiology.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Define basic concepts in radiology The basic evaluation of limb, spine, thorax, and chest radiography Learn the basics of soft tissue imaging	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Research Methodology in Physical Therapy -Course Code: FTR421**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS:2 /week	ECTS TYPE: 3
SEMESTER: 7	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Definition of scientific research, its construction, its properties and material-method determination, concept of hypothesis, transformation of research into Project.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Define scientific research, know the characteristics of qualified scientific research Can follow and interpret the current literature Selects the research topic, determines the hypothesis appropriate to the topic Scientific article editing,Write scientific research project and present it on research	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Rheumatological Rehabilitation -Course Code: FTR332**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS:2 /week	ECTS TYPE: 2
SEMESTER: 6	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Rheumatic disease pathophysiology, evaluation and treatment approaches, preventive services in rehabilitation, disease process management and coping theories, recognition of different rheumatic diseases and necessary treatment approaches.	
EFFECTS OF EDUCATION PROCESS: Learn pathophysiology of rheumatic disease. Can make physiotherapy and rehabilitation evaluations in rheumatic diseases. Determine the need for physiotherapy and rehabilitation in rheumatic diseases, determine appropriate treatment approaches and apply them Guidance on the recommendations and preventive approaches necessary to maintain the patient`s life He is actively involved in the management of the disease process.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Seminar-Course Code:FTR411**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 2/week	ECTS TYPE:3
SEMESTER:7	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: How should a seminar be prepared with scientific method of thinking? , Student presentations	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Knows how to prepare and present seminars with scientific thinking method.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Demonstration.	
ASSESSMENT METHODS: Mid-terms %25 Practice %25 Final examination %50	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Summer Internship I-Course Code: FTR272**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS:8/week	ECTS TYPE:4
SEMESTER:4	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: It includes a full-time 4-week internship in an outpatient clinic under the supervision of a physiotherapist.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: It reviews basic knowledge and skills about physiotherapy and rehabilitation programs. Physiotherapist observations of basic patient evaluation methods necessary for physiotherapy and rehabilitation applications student counselor is accompanied by a treatment program administered by the physiotherapist under observation	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Drill and Practice.	
ASSESSMENT METHODS: Practice %100	
LECTURER (NAME, EMAIL CONTACT):	



SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Summer Internship II-Course Code: FTR372**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 8/week	ECTS TYPE:4
SEMESTER:6	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Follow-up of patient observation, evaluation and treatment practices related to cardiopulmonary, orthopedic and neurological pathologies	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Cardiopulmonary, orthopedic, neurological diseases in physiotherapy evaluation and treatment methods knows and applies. Communicates effectively with patient, takes patient responsibility and follows program Analyzes the evaluation data and decides on the appropriate physiotherapy program.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Drill and Practice	
ASSESSMENT METHODS: Practice %100	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Special Topics In Physiotherapy-Course Code: FTRS302**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2 /week	ECTS TYPE: 3
SEMESTER: 6	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Fibromyalgia, Diabetes, Oncology, Burn, Urinary Incontinence, Ankylosing Spondylitis Physiotherapy, Obstetric Rehabilitation	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Explain the theoretical knowledge in relevant special topics with outlines and associate them with physiotherapy Gain theoretical knowledge on application principles of related special topics Applies evaluation methods related to physiotherapy and rehabilitation in special issues Applies the treatment methods for physiotherapy and rehabilitation in the related special issues Know how a rehabilitation team works	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Speech Disorders an Treatment -Course Code: FTRS222**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 4	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Anatomical and physiological characteristics of hearing, speech and vestibular system, Clinical features and treatment of disorders that occur in these systems	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: students will acquire normal hearing and speech and vestibular features. students may notice disorders and underlying disorders in the hearing and speech and vestibular system. students identify clinical problems in the hearing and speech and vestibular system and direct them to the relevant experts.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Sports Nutrition -Course Code: FTRS331**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 5	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Definition of nutrition in sport and exercise, energy and sporde energy metabolism, energy resources in athlete's diet, athlete's diets, basic nutrition principles	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Evaluate the nutritional status of the athletes. He will be able to discuss the nutritional properties before, during, and after the training or competition Will be able to plan athletes nutrition and necessary strategies in different environment and living conditions Will be able to distinguish the basic principles of nutrition in sport and exercise.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer.	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name :Therapeutic Movements-Course Code: FTR232**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 5/week	ECTS TYPE:4
SEMESTER:4	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Planning and application of exercise program for problems, planning of exercise programs in different postural problems and learning of exercises	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Learn the approaches to assess the patient and develop the program, the exercise classifications, the aims and effects of the exercises. Plans basic exercise program. Determine the factors affecting normal joint motion and gain the ability to prepare and apply appropriate exercise program. Learn the problems and properties of postural disorders Gain problem solving, exercise program planning and application skills in different postural disorders.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,Discussion,Question and Answer,Drill and Practice,Case Study	
ASSESSMENT METHODS: Mid-terms %20 Practice %20 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Turkish Language I-Course Code:TUR101**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 2/week	ECTS TYPE:2
SEMESTER:1	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS:Oral and written expression disorders, Communication problems	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: Making sentence correctly Students can use the properties of the Turkish language in scientific writing. Students can identify communication problems which caused by expression disorders	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name:Turkish Language II-Course Code:TUR102**

FACULTY: : School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Compulsory
NUMBER OF HOURS: 2/week	ECTS TYPE:2
SEMESTER:2	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:None	
CONTENTS: Reading and analyzing texts selected from the works related to the production in the Turkish language, the suffixes, vocabulary, sentence information, literature and thought World.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: To be able to explain the structure and functioning of Turkish language. To be able to use Türkçeyi in a correct, fluent and effective way as a written and oral expression tool. To be able to explain the connection between language and culture	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Obesity and Exercise -Course Code:FTRS342**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 6	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Identification of obesity, effects and evaluation of obesity in different age groups, exercises, identification of accompanying diseases, treatment methods and applications for the prevention of obesity as a social problem, evidence	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to:The student who succeeded in this course Describe the causes and etiology of obesity. Can make obesity assessment Obesity related diseases (diabetes, heart diseases, musculoskeletal problems, cancer etc.) know and relate Physiotherapy applications in obesity and knows the location of preventive treatment. The parameters that assess physical activity in obesity are known and describe physical act	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,discussion,Question and Answer	
ASSESSMENT METHODS: Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	



SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Vocational English I-Course Code:FTRS401**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 7	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: English	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Scientific publication follow-up, translation of foreign language articles into Turkish, translation of Turkish articles into English, learning and enhancement of English grammar skills.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to: In the field of physiotherapy and rehabilitation, he begins to learn medical terms at the entry level. He can read and understand the articles appropriate to his or her level. It learns in accordance with the level of passive making which is widely used in written texts in physiotherapy and rehabilitation field. Can establish and understand dialogues about his / her field. Can build excel by using new medical terms and structures	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,discussion,Question and Answer	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

**ASSESSMENT METHODS:**

Mid-terms %40

Final examination %60

**LECTURER (NAME, EMAIL CONTACT):**

**Course Name: Vocational English II -Course Code:FTRS402**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2/week	ECTS TYPE: 3
SEMESTER: 8	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Scientific publication follow-up, translation of foreign language articles into Turkish, translation of Turkish articles into English, learning and enhancement of English grammar skills.	

**SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY**

EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to:

In the field of physiotherapy and rehabilitation, he begins to learn medical terms at the entry level.

He can read and understand the articles appropriate to his or her level.

It learns in accordance with the level of passive making which is widely used in written texts in physiotherapy and rehabilitation field.

Can establish and understand dialogues about his / her field.

Can build excel by using new medical terms and structures

LITERATURE (OPTIONAL):

TEACHING METHODS: Lecture,discussion,Question and Answer

ASSESSMENT METHODS:

Mid-terms %40

Final examination %60

LECTURER (NAME, EMAIL CONTACT):

SCHOOL OF HEALTH SCIENCES – KTO KARATAY UNIVERSITY

**Course Name: Women's Health-Course Code:FTRS422**

FACULTY: School of Health Sciences(Physical Therapy and Rehabilitation)	CLASS TYPE: Elective
NUMBER OF HOURS:2 /week	ECTS TYPE: 3
SEMESTER: 8	CLASS LEVEL: Bachelor's Degree
LANGUAGE OF INSTRUCTION: Turkish	
PRELIMINARY REQUIREMENTS:NONE	
CONTENTS: Definition, classification, protective approaches, selection of different physiotherapy approaches that can be applied and principles of application of these approaches in women's health.	
EFFECTS OF EDUCATION PROCESS: Upon the successful completion of this course, students will be able to:  After completing this course, the student will gain basic information about evaluation, prevention, physiotherapy and selection of appropriate physiotherapy approaches in the field of physiotherapy in women`s health.	
LITERATURE (OPTIONAL):	
TEACHING METHODS: Lecture,discussion,Question and Answer	
ASSESSMENT METHODS:  Mid-terms %40 Final examination %60	
LECTURER (NAME, EMAIL CONTACT):	

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