



EUROPEAN UNIVERSITY OF LEFKE

**DEPARTMENT OF
PHYSIOTHERAPY &
REHABILITATION**

PROGRAMME HANDBOOK

2026

PROGRAM INFORMATION

Program Name and Degree Awarded: Physiotherapy & Rehabilitation
Bachelor's degree

Duration of Studies: 4 year

Total Credits / ECTS: 157 credits hours and 240 ECTS

Language of Instruction: English

Mission and Vision

Mission:

The mission of the Physiotherapy and Rehabilitation undergraduate program is to train physiotherapists who are committed to ethical values, equipped with scientifically based knowledge and skills, who embrace lifelong learning, and who contribute to the protection and improvement of individual and community health. The program aims to equip students with critical thinking, research, and innovative solution-generating skills through a problem-based learning approach, while also contributing to national and international professional collaboration and scientific advancements.

Vision:

Our vision is to improve problem based education, to develop protective physiotherapy methods in areas affecting community health, to bring the profession of physiotherapy to the contemporary level within the health services sphere and ultimately to contribute to professional development within both national as well as international scientific topics.

Program Objectives

The mission of the Physiotherapy and Rehabilitation Department is to: to train Physiotherapists who have adopted the concept of lifelong learning, who are open to innovations and follow technological and scientific developments related with the field, who can use theoretical knowledge in the practical applications, and select and implement the most accurate evaluation and application program, who can develop projects for the benefit of the society, who are bound up with ethical values, and at the same time who portrays explorer, contemporary, knowledgeable and skilful acts with respect to human rights.

Program Learning Outcomes

Upon graduation, Physiotherapy and Rehabilitation graduates will be able to:

1. Possess communication skills.
2. Follow laws and legislations and regulations about physiotherapy and rehabilitation.
3. Evidence-based and forward thinking, maintaining the significance and relevance of physiotherapy and rehabilitation as a profession.

4. Learn and use basic medical terminology and clinical knowledge needed for physiotherapy and rehabilitation applications.
5. Apply assessments for physiotherapy and rehabilitation.
6. Identify clinical physiotherapy and rehabilitation programs with the physiotherapy and rehabilitation methods
7. Plan and apply individual physiotherapy and rehabilitation program.
8. Follow innovations about physiotherapy and rehabilitation applications.
9. Apply physiotherapy and rehabilitation applications based on occupational health and safety.
10. Adapt, plan and apply ethical issues about physiotherapy and rehabilitation applications.
11. Archive and save documents about physiotherapy and rehabilitation applications.
12. Possess life-long learning skills and follow vocational innovations.
13. Develop and follow professional knowledge and innovations by having a foreign language.
14. Possess presentation skill about physiotherapy and rehabilitation.
15. Plan, apply and present a scientific research about physiotherapy and rehabilitation applications.

Curriculum

PHYSIOTHERAPY & REHABILITATION							
1-3-5-7 DÖNEM				2-4-6-8 DÖNEM			
DERS KODU	DERS ADI	KREDİ	DERS TÜRÜ	DERS KODU	DERS ADI	KREDİ	DERS TÜRÜ
COMN103	PHYSIOLOGY	(3,0,0)3	Zorunlu	UHTC02	TURKISH	(2,0,0)2	Seçmeli
COMN105	ANATOMY	(3,0,0)3	Zorunlu	UHTC01	HISTORY	(2,0,0)2	Seçmeli
COMN121	PHYSICS I	(3,0,0)3	Zorunlu	UFLE02	FOREIGN LANGUAGE ELECTIVE II (ENGLISH)	(3,0,0)3	Seçmeli
UFLE01	FOREIGN LANGUAGE ELECTIVE I (ENGLISH)	(3,0,0)3	Seçmeli	HSCC206	PATHOLOGY	(2,2,0)3	Zorunlu
PTRH107	NORMAL MOTOR DEVELOPMENT	(2,0,0)2	Zorunlu	PTRH108	PSYCHOSOCIAL REHABILITATION AND ETHICS	(3,0,0)3	Zorunlu
PTRH111	HEAT - LIGHT	(2,0,0)2	Zorunlu	PTRH114	HYDROTHERAPY	(2,0,0)2	Zorunlu
UTEC01	UNIVERSITY ELECTIVE I	(3,0,0)3	Seçmeli	PTRH152	ANATOMY FOR PHYSIOTHERAPY	(3,0,0)3	Zorunlu
COMN104	PSYCHOLOGY	(3,0,0)3	Zorunlu	PTRH154	PHYSIOLOGY FOR PHYSIOTHERAPY	(2,2,0)3	Zorunlu
HSEL01	HEALTH SERVICES ELECTIVE I	(3,0,0)3	Seçmeli	PTRH202	PRINCIPLES OF TREATMENT EXERCISE	(2,2,0)3	Zorunlu
PTRH203	MEASUREMENT AND EVALUATION IN PHYSIOTHERAPY	(2,2,0)3	Zorunlu	PTRH204	MANIPULATION AND MOBILIZATION II	(2,2,0)3	Zorunlu
PTRH205	MANIPULATION AND MOBILIZATION I	(2,2,0)3	Zorunlu	PTRH208	EXERCISE PHYSIOLOGY	(2,2,0)3	Zorunlu
PTRH207	ELECTROTHERAPY I	(2,2,0)3	Zorunlu	PTRH210	ELECTROTHERAPY II	(2,2,0)3	Zorunlu

PTRH213	BIOMECHANICS	(2,0,0)2	Zorunlu	PTEL01	TECHNICAL ELECTIVE I	(3,0,0)3	Seçmeli
PTRH215	NEUROANATOMY	(2,0,0)2	Zorunlu	PTRH222	GERIATRIC PHYSIOTHERAPY AND REHABILITATION	(2,0,0)2	Zorunlu
PTRH217	NEUROPHYSIOLOGY	(2,0,0)2	Zorunlu	PTRH250	CLINICAL SCIENCES	(2,0,0)2	Zorunlu
HSEL02	HEALTH SERVICES ELECTIVE II	(3,0,0)3	Seçmeli	HSEL03	HEALTH SERVICES ELECTIVE III	(3,0,0)3	Seçmeli
PTEL02	TECHNICAL ELECTIVE II	(3,0,0)3	Seçmeli	HSEL04	HEALTH SERVICES ELECTIVE IV	(3,0,0)3	Seçmeli
PTRH300	SUMMER INTERNSHIP	(0,1,0)0	Zorunlu	PTRH302	NEUROPHYSIOLOGIC APPROACHES II	(2,2,0)3	Zorunlu
PTRH301	NEUROPHYSIOLOGIC APPROACHES I	(2,2,0)3	Zorunlu	PTRH304	KINESIOLOGY II	(2,0,0)2	Zorunlu
PTRH305	PEDIATRIC PHYSIOTHERAPY AND REHABILITATION	(3,0,0)3	Zorunlu	PTRH306	NEUROLOGIC PHYSIOTHERAPY AND REHABILITATION	(2,2,0)3	Zorunlu
PTRH307	SPORTIVE PHYSIOTHERAPY AND REHABILITATION	(2,2,0)3	Zorunlu	PTRH308	RHEUMATOLOGIC PHYSIOTHERAPY AND REHABILITATION	(2,2,0)3	Zorunlu
PTRH353	KINESIOLOGY I	(2,0,0)2	Zorunlu	PTRH316	ORTHOPAEDIC PHYSIOTHERAPY AND REHABILITATION	(2,2,0)3	Zorunlu
PTRH355	PULMONARY PHYSIOTHERAPY AND REHABILITATION	(1,2,0)2	Zorunlu	PTRH318	CARDIAC PHYSIOTHERAPY AND REHABILITATION	(2,2,0)3	Zorunlu
PTRH359	ORTHOTICS- PROSTHETICS AND REHABILITATION	(3,2,0)4	Zorunlu				
UFRC01	UNIVERSITY ELECTIVE I	(3,0,0)3	Seçmeli	UFRC02	UNIVERSITY ELECTIVE II	(3,0,0)3	Seçmeli
PTRH400	SUMMER TRAINING II	(0,1,0)0	Zorunlu	PTRH402	CLINICAL PRACTICE II	(2,8,0)6	Zorunlu
PTRH401	CLINICAL PRACTICE I	(2,8,0)6	Zorunlu	PTEL03	TECHNICAL ELECTIVE III	(3,0,0)3	Seçmeli
PTRH405	PHYSIOTHERAPY AND REHABILITATION SEMINAR	(2,0,0)2	Zorunlu	PTRH408	PROBLEM SOLVING IN CLINICAL PHYSIOTHERAPY II	(2,0,0)2	Zorunlu
PTRH407	PROBLEM SOLVING IN CLINICAL PHYSIOTHERAPY I	(2,0,0)2	Zorunlu	HSEL06	HEALTH SERVICES ELECTIVE VI	(3,0,0)3	Seçmeli
HSEL05	HEALTH SERVICES ELECTIVE V	(3,0,0)3	Seçmeli				

Laboratory and Equipment Capacity (if applicable)

Laboratories Used in Applied Courses:

- Anatomy Laboratory
- Manipulation and Mobilization Laboratory
- Electrotherapy Laboratory
- Neurological Rehabilitation Laboratory
- Hydrotherapy Laboratory

Inventories not included in the laboratories:

Laboratory	Inventories
Manipulation and Mobilization Laboratory	4 fixed stretchers 9 mobile stretchers 1 shoulder wheel 2 finger ladders 1 bar 2 cabinets
Electrotherapy Laboratory	13 stretchers 1 traction device and bed 7 enraf devices 1 short-wave diathermy device 1 microwave diathermy device 2 cabinets
Hydrotherapy Laboratory	8 thermostatic whirlpool bathtubs 2 infrared devices 1 hot pack boiler 1 cold pack boiler 1 paraffin boiler 1 stretcher 1 cabinet
Neurological Rehabilitation Laboratory	2 Bobath beds 2 Pneumatic compression devices 1 verticalization bed 4 cabinets with doors 1 parallel bar 1 corner ladder 1 wheelchair

Career Opportunities

Occupational Areas of Graduates;

- Therapy Centres (University Hospitals, Training and Research Hospitals, State Hospitals etc.),
- Special education Centres
- Rehabilitation Centres
- Fitness Centres
- Vocational rehabilitation Centres
- Sport Clubs and National Teams
- Nursing Homes
- Industries (factories etc...)

Fields of Study

- Orthopedic Physiotherapy and Rehabilitation
- Neurological Physiotherapy and Rehabilitation
- Cardiopulmonary Physiotherapy and Rehabilitation
- Sports Physiotherapy
- Geriatric Physiotherapy and Rehabilitation
- Pediatrics Physiotherapy and Rehabilitation
- Musculoskeletal Physiotherapy and Rehabilitation
- Women's Health Physiotherapy
- Prosthetics-orthotics Physiotherapy and Rehabilitation
- Hand rehabilitation
- Sports Recreation Activities in Disabilities
- Physiotherapy and Rehabilitation in Public Health
- Occupational Therapy
- Vestibular Physiotherapy

Career Advancement;

For the academic progress of the graduates of our department within the scope of the study areas, our University offers master's degree opportunity. In this respect, our graduate students can get the title of "Expert". Apart from Physiotherapy and Rehabilitation, there is a possibility to receive a master's degree in different fields such as Neurological Rehabilitation, Cardiopulmonary Rehabilitation, Exercise Physiology, and Athlete Health.

If there are more than one physiotherapist in the hospitals, there is the opportunity of receiving the titles of "Responsible Physiotherapist" in "Head Physiotherapist" from the chief of medicine.

Contact Information

Head of Department

Prof. Dr. Serpil Ünyayar (V)

sunyayar@eul.edu.tr



EUROPEAN UNIVERSITY OF LEFKE

Faculty of Health Sciences

SYLLABUS

2025-2026 Fall Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule	
			T	A	L				
COMN105	Anatomy	Compulsory	3	0	0			Tuesday 18:00-20:50 ECZ001	
Prerequisite		Prerequisite to							
Course Lecturer	Assist. Prof. Dr. Musa Muhtaroglu					Office Hours Schedule	Wednesday 14:00-16:00 Tuesday 14:00-16:00		
E-mail	mmuhtaroglu@eul.edu.tr								
Phone	6602000					Office / Room No	CL-104		
Teaching Assistant					Phone	6602000			
E-mail					Office / Room No	2728			
Catalogue Descriptions	This course provides a comprehensive introduction to human anatomy, focusing on the structural organization of the human body and its major systems. The course includes anatomical terminology, anatomical position, planes, movements, and the levels of structural organization. Detailed coverage is given to the skeletal, muscular, nervous, cardiovascular, respiratory, digestive, urinary, and reproductive systems, emphasizing the location, structure, and basic functional relationships of organs. Clinical correlations, surface anatomy, and basic anatomical applications are integrated throughout the course. By the end of the course, students are expected to develop a solid anatomical foundation essential for further education in health sciences and clinical disciplines.								
Objectives	To provide students with basic and systematic knowledge of human anatomy, including anatomical terminology, body organization, and major organ systems, to support their education in health sciences.								
Learning Outcomes	Upon successful completion of the course, students will be able to: (1) use basic anatomical terminology correctly and consistently; (2) identify the anatomical position, planes, and movements of the human body; (3) describe the structural organization of the human body from cells to organ systems; (4) identify the major bones, muscles, organs, and systems and explain their basic anatomical relationships; (5) relate anatomical structures to basic clinical and functional contexts.								
Programme Outcome Relations	PO1: 5 PO2: 4 PO3: 3 PO4: 4 PO5: 2 PO6a: 1 PO6b: 1	PO7: 3 PO8: 3 PO9: 1 PO10a: 1 PO10b: 1 PO11: 3	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.						
Textbooks and/or References	1 Drake, R. L., Vogl, A. W., Mitchell, A. W. M., Gray's Anatomy for Students, 5th ed., Elsevier, 2023. 2 Standring, S., Gray's Anatomy: The Anatomical Basis of Clinical Practice, 42nd ed., Elsevier, 2020. 3 Netter, F. H., Netter Atlas of Human Anatomy: Classic Regional Approach, 8th ed., Elsevier, 2022.								
WEEK	Date	TOPICS					Reference No - Section		
Week 1	23.09.2025	Introduction to Anatomy: definition, branches of anatomy, anatomical terminology					1: 1.1, 1.2, 1.3, 1.4, 1.5, 1.6		
Week 2	30.09.2025	Anatomical position, anatomical planes, axes, movements, and body cavities					1: 2.1, 2.2, 2.3, 2.4		
Week 3	07.10.2025	Skeletal system I: bone tissue, classification of bones, general osteology					1: 3.1, 3.2, 3.3		
Week 4	14.10.2025	Skeletal system II: axial and appendicular skeleton					1: 4.1, 4.2		
Week 5	21.10.2025	Joints and muscular system: joint types, muscle tissue, basic muscle anatomy					2: 1.1, 1.2		
Week 6	28.10.2025	Nervous system I: organization of the nervous system, neurons and neuroglia					2: 2.1, 2.2, 2.3		
Week 7	04.11.2025	Nervous system II: central and peripheral nervous system					2: 3.1, 3.2		
Week 8	11.11.2025	Midterms							
Week 9	18.11.2025	Cardiovascular system: heart anatomy and major blood vessels					3: 1.1, 1.2		
Week 10	25.11.2025	Respiratory system: lungs, airways, and thoracic anatomy					3: 2.1, 2.2		
Week 11	02.12.2025	Digestive system: gastrointestinal tract and accessory organs					3: 3.1		
Week 12	09.12.2025	Urinary system and reproductive system anatomy					1: 4.5, 4.6, 4.7		
Week 13	16.12.2025	Endocrine system and lymphatic system					1: 5.1		
Week 14	23.12.2025	Finals					1: 6.1, 6.2, 6.3		
Week 15	30.12.2026	Finals							
Week 15-16	03-11/01/26	Finals							
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)				
	Final Exam	1	23.12.2025	60					
	Semester Evaluation			100					
	Midterm(s)	1	06.11.2025	40	40,0				
	Quiz(zes)								
	Project(s)								
	Homework								
	Laboratory works								
Attendance									
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:			English			
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours				
Theoretical lecturing hours (TLH)	14	42	Homework						
TLH self study	14	42	Project						
Quiz (Q)			Presentation						
Q preparation self study			Seminar						
Laboratory (L)			Tutorial						
L preparation work									
Midterm exam (ME)	1	1	Final exam (FE)	1	1				
ME preparation self study	1	10	FE preparation self study	1	10				
TOTAL :					106				
Recommended ECTS Credit (Total Hours / 30) :					3,53				



EUROPEAN UNIVERSITY OF LEFKE

Physiotherapy and Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Fall Semester

Course Code	PTRH 107	Course Type	Weekly Course Hours	Credits	ECTS	Weekly Time Schedule
			T A L			
Course Title	Normal Motor Development	Compulsory	2 0 2	2	3	Monday 12:00-13:50
Prerequisite	Prerequisite to					
Course Lecturer	Dr. Lecturer Fahriye Çoban			Office Hours Schedule	Tuesday 09:00-10:50	
E-mail	fcoban@eul.edu.tr			Office / Room No		
Phone	2565			Phone		
Teaching Assistant				Office / Room No		
E-mail						
Catalogue Descriptions	The aim of this course is to give information about the development of the fetus until the adolescence period of life. To understand functional development to be used in pediatric physiotherapy and rehabilitation.					
Objectives	Understanding normal motor development, reflexes and to evaluate the child until the walking period.					
Learning Outcomes	Upon successful completion of the course, students will be able to: (1) To understand movement and function development (2) Principles of motor development (3) Kinesiological development (4) Reflexes and basic movements					
Programme Outcome Relations	PO1: 1 PO2: 2 PO3: 5 PO4: 1 PO5: 5 PO6: 1 PO7: 1		PO8: 1 PO9: 5 PO10: 2 PO11: 3 PO12: 1 PO13: 5 PO14: 3 PO15: 3		(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.	
Textbooks and/or References	1 Jan P. Piek -Infant Motor Development,2005Concepts, 7th ed, McGraw-Hill, 2019. 2 C.Garel Ve Ark.-MRI Of The Fetal Brain:Normal Development And Cerebral Pathologies.2004 7th ed, Pearson, 2016. 3 Prof. Dr. M. Kamil Özer/Doç.Dr.Dilara Sevimay Özer, Çocuklarda Motor Gelişim,7. Basım, Ekim 2012/Ankara					
WEEK	Date	TOPICS				Reference No - Section
Week 1	22/09/2025	Introduction to normal motor development, Terminology				
Week 2	29/09/2025	Developmental kinesiology and systems				
Week 3	06/10/2025	Growth and Development				
Week 4	13/10/2025	Motor Development 0-2 years				
Week 5	20/10/2025	Reflexive Movements Period				
Week 6	27/10/2025	Reflexive Movements Period 2				
Week 7	03/11/2025	Primitive Movements Period				
Week 8	10/11/2025	Midterms				
Week 9	17/11/2025	Fundamental Movement Period				
Week 10	24/11/2025	Sportive Movements - 0-12 months Physical Activity				
Week 11	01/12/2025	Sportive Movements - 12-36 months Physical Activity				
Week 12	08/12/2025	Sportive Movements - preschool 3-5 years of physical activity				
Week 13	15/12/2025	Motor Development Tests				
Week 14	22/12/2025	Children's Perceptual Motor Abilities 1				
Week 15	29/12/2025	Children's Perceptual Motor Abilities 2				
Week 15-16	05/01/2026	Finals				
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)	
	Final Exam	1	03-11/01/26	50	50.0	
	Semester Evaluation			50		
	Midterm(s)	1	08-16/11/25	30	30.0	
	Quiz(zes)					
	Project(s)					
	Homework			20	20.0	
	Laboratory works					
Attendance						
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:		English	
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours	
Theoretical lecturing hours (TLH)	14	28	Homework			
TLH self study	14	28	Project			
Quiz (Q)			Presentation			
Q preparation self study			Seminar			
Laboratory (L)		14	Tutorial			
L preparation work						
Midterm exam (ME)	1	1.5	Final exam (FE)	1	1.5	
ME preparation self study	1	8	FE preparation self study	1	15	
				TOTAL :	96	
				Recommended ECTS Credit (Total Hours / 30) :	3.20	



EUROPEAN UNIVERSITY OF LEFKE

Physiotherapy and Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Fall Semester

Course Code	PTRH 111	Course Type	Weekly Course Hours		Credits	ECTS	Weekly Time Schedule	
Course Title	Heat-Light	Compulsory	T	A	L	2	3	
Prerequisite	Prerequisite to						Wednesday 12:00-13:50	
Course Lecturer	Dr. Lecturer Fahriye Çoban				Office Hours Schedule	Wednesday 14:00-16:50		
E-mail	fcoban@eul.edu.tr							
Phone	2565				Office / Room No			
Teaching Assistant					Phone			
E-mail					Office / Room No			
Catalogue Descriptions	In this course; inflammation and repair, theories of pain and physiotherapy, heat therapy, physical effects of heat, light therapy and its physical Properties, physiological effects of superficial heat agents, infrared, ultraviolet, laser: use in physiotherapy, cold applications: use of cold as a treatment agent, use of moist heat in physiotherapy (hot pad), whirlpool, fluidotherapy, hydrotherapy: use of water as a treatment agent (opposite showers), physical and physiological principles of hydrotherapy, water applications with mechanical stimulation, pool treatment and in-water exercises, balneotherapy and application areas, mechanisms of action of thermomineral water baths , spa treatment / balneotherapy methods; topics will be covered.							
Objectives	To discuss the physiological effects and application methods of superficial heat agents and light modalities and hydrotherapy methods used in Physiotherapy and Rehabilitation.							
Learning Outcomes	Upon successful completion of the course, students will be able to: (1) Gains theoretical knowledge and practical skills about hot, cold, heat and light applications used in physiotherapy (2) Theoretical knowledge and practical skills to the clinical environment. (3) Evaluates the patient before planning the treatment with heat-light agents (4) Decides which of the disease-specific hot, cold agents to use							
Programme Outcome Relations	PO1: 1 PO2: 2 PO3: 5 PO4: 1 PO5: 5 PO6: 1 PO7: 1		PO8: 1 PO9: 5 PO10: 2 PO11: 3 PO12: 1 PO13: 5 PO14: 3 PO15: 3		(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.			
Textbooks and/or References	1 Physical modalities and electrotherapy / Ed. Arzu Razak Ozdinciler Evidence-based electrotherapy / Edibe Yakut 2 Basic principles and clinical applications in electrotherapy / Nuray Kirdi, Aydın Meriç, Çiğdem Ayhan, Z. Özlem Yuruk							
WEEK	Date	TOPICS				Reference No - Section		
Week 1	24/09/2025	Understanding Physical Agents						
Week 2	01/10/2025	Understanding Physical Agents in Rehabilitation						
Week 3	08/10/2025	Inflammation and Scar Tissue						
Week 4	15/10/2025	Healing Process						
Week 5	22/10/2025	Pain and Management						
Week 6	29/10/2025	Tone Abnormalities						
Week 7	05/11/2025	Motion Restrictions						
Week 8	12/11/2025	Midterms						
Week 9	19/11/2025	Introduction to Therman Agents						
Week 10	26/11/2025	Cryotherapy						
Week 11	03/12/2025	Hotpacks - Contrast Baths						
Week 12	10/12/2025	Paraffin						
Week 13	17/12/2025	Light Therapy - Infrared Lamps						
Week 14	24/12/2025	Laser Therapy						
Week 15	31/12/2025	Ultraviolet Radiation						
Week 15-16	07/01/2026	Finals						
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)			
	Final Exam	1	03-11/01/26	60	60.0			
	Semester Evaluation				40			
	Midterm(s)	1	08-16/11/25	40	40.0			
	Quiz(zes)							
	Project(s)							
	Homework							
	Laboratory works							
Attendance								
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:		English			
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours			
Theoretical lecturing hours (TLH)	14	28	Homework					
TLH self study	14	28	Project					
Quiz (Q)			Presentation					
Q preparation self study			Seminar					
Laboratory (L)		14	Tutorial					
L preparation work								
Midterm exam (ME)	1	1.5	Final exam (FE)	1	1.5			
ME preparation self study	1	8	FE preparation self study	1	15			
TOTAL :					96			
Recommended ECTS Credit (Total Hours / 30) :					3.20			



EUROPEAN UNIVERSITY OF LEFKE

SYLLABUS 2025-2026 Spring Semester

Course Code	Course Name	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule	
			T	A	L				
COM110	English 2	Elective	3	0		3	3	Thursday 18:00 - 18:50	
Prerequisite		Prerequisite to							
Course Lecturer	Mehmet Mert				Office Hours Schedule	Monday 09:00-11:00			
E-mail	mmert@eul.edu.tr				Office / Room No	AS232			
Phone					Phone	2684			
Teaching Assistant(s)	-				Office / Room No	-			
E-mail	-								
Course Objectives	This course introduces the main grammatical structures to the students and helps them to develop their listening, speaking, reading and writing skills as well as vocabulary and pronunciation. The students are provided with clear rules and example sentences. The lessons contain high frequency vocabulary that the students are likely to come across during their studies and future their future careers								
Learning Outcomes	1.The students will be able to understand and use English structures accurately to express themselves. 2. The students will be able to learn and use the vocabulary learnt during the lessons.								
Programme Outcome Relations	PO1: 5 PO2: PO3: 3 PO4: PO5: PO6: PO7:	PO8: 3 PO9: PO10: PO11: 3 PO12: 3 PO13: 5 PO14: 5 PO15: 5	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.						
Textbooks and/or	1	English File, Intermediate Plus, Student's Book, Christina Latham- Koenig, et al, Oxford University Press, Third Edition							
	2	English File, Intermediate Plus, Workbook, Christina Latham- Koenig, et al, Oxford University Press, Third Edition							
WEEK	Date	TOPICS					Reference no to learning outcomes		
Week 1	05.02.2026	Obligation, Necessity					1,2		
Week 2	12.02.2026	Prohibition, advice, DIY					1,2		
Week 3	19.02.2026	can, could, be able to					1,2		
Week 4	26.02.2026	vocabulary, things on the table					1,2		
Week 5	05.03.2026	Phrasal verbs					1,2		
Week 6	12.03.2026	verb patterns					1,2		
Week 7	19.03.2026	have something done					1,2		
Week 8	26.03.2026	at the hairdresser's					1,2		
Week 9	02.04.2026	Passive							
Week 10	09.04.2026	Midterm exam					1,2		
Week 11	16.04.2026	Reported Speech					1,2		
Week 12	23.04.2026	Past Perfect					1,2		
Week 13	30.04.2026	be,do,have					1,2		
Week 14	07.05.2026	Auxiliary + main verbs					1,2		
Week 15	14.05.2026	Question tags					1,2		
Week 16	16-25.05.2026	FINALS							
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)				
	Final Exam	1		60	100				
	Semester Evaluation								
	Midterm(s)	1		40	100,0				
	Quiz(zes)								
	Project(s)								
	Online Homework(s)								
	Laboratory								
Other									
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:		English				
Evaluation Tool	Quantity			Student Workload Hours					
Theoretical Hours	13			13x3 39					
Midterm	1			1x1 1					
Self Study for midterm	1			39x1 39					
Final Exam	1			1x1 1					
Self Study for final	1			10x1 10					
TOTAL :				90					
Recommended ECTS Credit (Total Hours / 25) :				90/30=3					



EUROPEAN UNIVERSITY OF LEFKE

Physiotherapy and Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Fall Semester

Course Code	PTRH 203	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
Course Title	Measurement and Evaluation in Physiotherapy	Compulsory	T	A	L	2	3	Tuesday 14:00-17:50
Prerequisite	Prerequisite to							
Course Lecturer	Dr. Lecturer Fahriye Çoban					Office Hours Schedule	Thursday 14:00-16:50	
E-mail	fcoban@eul.edu.tr					Office / Room No		
Phone	2565					Phone		
Teaching Assistant	Assistant Yara Houtar					Office / Room No		
E-mail						Phone		
Catalogue Descriptions	The student can take the stories of patients with different diagnoses, and determines the general problems about the patient and his / her disease. Learns the basic principles of movement and understands the importance of these principles in physiotherapy programs. Learns the lateral, anterior and posterior posture analysis, determines the postural disorders seen in patients or healthy individuals. Learn to apply anthropometric measurements (environment, length, diameter and fat tissue measurements). Gains the ability to evaluate normal joint movements. Learns manual muscle strength measurement.							
Objectives	To teach the basic assessment methods used in physiotherapy in theory and practice. To show what can be done in the first patient evaluations							
Learning Outcomes	Upon successful completion of the course, students will be able to: (1) Get patient history and determine the general problems about patient and disease, (2) Learn basic principles of movement and comprehend the importance of this issue in physiotherapy programs, (3) Learn posture analysis and determine postural disease which can be seen in healthy people or patients, (4) Learn and apply shortness and flexibility test and anthropometric measurement, (5) Learn and apply normal joint movement assessment and muscle strength measurement.							
Programme Outcome Relations	PO1: 1 PO2: 2 PO3: 5 PO4: 1 PO5: 5 PO6: 1 PO7: 1	PO8: 1 PO9: 5 PO10: 2 PO11: 3 PO12: 1 PO13: 5 PO14: 3 PO15: 3	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.					
TEXTBOOKS and/or References	1	Physical modalities and electrotherapy / Ed. Arzu Razak Ozdinciler Evidence-based electrotherapy / Edibe Yakut						
	2	Basic principles and clinical applications in electrotherapy / Nuray Kırdı, Aydın Meriç, Çiğdem Ayhan, Z. Özlem Yuruk						
WEEK	Date	TOPICS					Reference No - Section	
Week 1	23/09/2026	Introduction to Course- History Taking						
Week 2	30/09/2026	History Taking						
Week 3	07/10/2026	Postural Analysis						
Week 4	14/10/2026	Shorthiness and Flexibility Assessment						
Week 5	21/10/2026	Shorthiness and Flexibility Assessment						
Week 6	28/10/2026	Antropomertic Measurements(Length, Diameter, Fat)						
Week 7	04/11/2026	Range of motion assessment						
Week 8	11/11/2026	Midterms						
Week 9	18/11/2026	Range of motion assessment						
Week 10	25/11/2026	Range of motion assessment						
Week 11	02/12/2026	Manual muscle testing,						
Week 12	09/12/2026	Manual muscle testing,						
Week 13	16/12/2026	Manual muscle testing,						
Week 14	23/12/2026	Manual muscle testing,						
Week 15	30/12/2026	Manual muscle testing,						
Week 15-16	06/01/2027	Finals						
Evaluation Tools	Evaluation Tool	Quantity	Date		Weight in Total (%)	Weight in Semester Evaluation (%)		
	Final Exam	1	03-11/01/26		60	60.0		
	Semester Evaluation				40			
	Midterm(s)	1	08-16/11/25		40	40.0		
	Quiz(zes)							
	Project(s)							
	Homework							
	Laboratory works							
Attendance								
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:			English		
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours			
Theoretical lecturing hours (TLH)	14	28	Homework					
TLH self study	14	28	Project					
Quiz (Q)			Presentation					
Q preparation self study			Seminar					
Laboratory (L)	14	28	Tutorial					
L preparation work								
Midterm exam (ME)	1	2	Final exam (FE)	1	1.5			
ME preparation self study	5	30	FE preparation self study	1	15			
TOTAL :					132.5			
Recommended ECTS Credit (Total Hours / 30) :					4.42			



EUROPEAN UNIVERSITY OF LEFKE

Physiotherapy and Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Fall Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule	
			T	A	L				
PTRH205	MANIPULATION AND MOBILIZATION	Compulsory	2	2	0	3	4	Thursday 14:00-17:50	
Prerequisite	Prerequisite to								
Course Lecturer	Asst. Prof. Dr. Beraat Alptuğ					Office Hours Schedule		FRIDAY 9.00-13.00	
E-mail	balptug@eul.edu.tr					Office / Room No		SF011	
Phone	2554					Phone			
Teaching Assistant						Office / Room No			
E-mail						Phone			
Catalogue Descriptions	The mechanical, physiological, psychological and reflex effects of specific massage techniques, the evaluation methods used in determining the effectiveness after application, practical applications, indications and contraindications of these methods.								
Objectives	The mechanical, physiological, psychological and reflex effects of specific massage techniques, the evaluation methods used in determining the effectiveness after application, practical applications, indications and contraindications of these methods.								
Learning Outcomes	After studying this course, students will be able to: LO1- Define massage therapy. LO2- Learn about basic information of reflex, mechanical, physiological and clinical effects of massage methods and techniques. LO3- Learn to make the necessary evaluation and plan as a treatment option in cases indicated in massage. LO4- Learn to pathologies that may be contraindicated to massage. LO5- Apply the methods and techniques being taught. LO6- Apply decision-making process for the use of massage in clinical practice.								
Programme Outcome Relations	PO1: PO2: 4 PO3: 4 PO4: 5 PO5: 4 PO6: 5 PO7: 5	PO8: 4 PO9: PO10: PO11: 4 PO12: PO13: PO14: PO15:	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.						
Textbooks and/or References	Giallonardo LM. Posture. In: Saunders Manual of Physical Therapy Practice . Myers RS (ed) WB Saunders Company, Philadelphia, 1995. İnci Yüksel. Masaj Teknikleri. Pelikan Kitabevi, Ankara 2016.								
WEEK	Date	TOPICS					Reference No - Section		
Week 1	25/09/2025	Introduction to manipulation and mobilization							
Week 2	02/10/2025	History of massage therapy, Effects of massage therapy and general principles							
Week 3	09/10/2025	Preparation and techniques							
Week 4	16/10/2025	Whole back massage							
Week 5	23/10/2025	Upper back massage							
Week 6	30/10/2025	Neck massage							
Week 7	06/11/2025	Face massage							
Week 8	08-16/11/25	Midterms							
Week 9	20/11/2025	Adominal massage/ Colon massage							
Week 10	27/11/2025	Upper extremity massage							
Week 11	04/12/2025	Lower extremity massage							
Week 12	11/12/2025	TFM							
Week 13	18/12/2025	TFM							
Week 14	25/12/2025	Course Review and Revision							
Week 15									
Week 15-16	03-11/01/26	Finals							
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)				
	Final Exam	1		60					
	Semester Evaluation								
	Midterm(s)	1		40					
	Quiz(zes)								
	Project(s)								
	Homework								
Laboratory works									
Attendance									
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:		English				
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours				
Theoretical lecturing hours (TLH)	14	28	Homework						
TLH self study	14	28	Project						
Quiz (Q)			Presentation						
Q preparation self study			Seminar						
Laboratory (L)			Tutorial						
L preparation work			Applied Hours (A)	14	28				
Midterm exam (ME)	1	2	Final exam (FE)	1	2				
ME preparation self study	5	18	FE preparation self study	5	15				
TOTAL :					121				
Recommended ECTS Credit (Total Hours / 30) :					4.03				



EUROPEAN UNIVERSITY OF LEFKE

Physiotherapy and Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Fall Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule	
			T	A	L				
PTRH207	Electrotherapy I	Compulsory	2	2	0	3	4	MONDAY 9.00- 13.00	
Prerequisite		Prerequisite to							
Course Lecturer	Asst. Prof. Dr. Beraat Alptuğ					Office Hours Schedule	FRIDAY 9.00-13.00		
E-mail	balptug@eul.edu.tr					Office / Room No	SF011		
Phone	2554					Phone			
Teaching Assistant						Office / Room No			
E-mail									
Catalogue Descriptions	Electrophysiological mechanisms, physiological responses of muscles and nerves, healthy and non-invasive muscular stimulation characteristics will be discussed; basic characteristics of low frequency and medium frequency currents and application principles will be discussed.								
Objectives	Electrophysiological mechanisms, physiological responses of muscles and nerves, healthy and non-invasive muscular stimulation characteristics will be discussed; basic characteristics of low frequency and medium frequency currents and application principles will be discussed.								
Learning Outcomes	After studying this course, students will be able to: LO1- Learn the electrical properties of tissues. LO2- Understand the principles of stimulation of healthy muscle and nerve. LO3- Understand the principles of denervated muscle stimulation. LO4- Gain knowledge and skills about low and medium frequency currents. LO5- Able to perform electrodiagnostic evaluation. LO6- Decide on the current and its parameters to be applied in different pathologies and applying it correctly. LO7- Know the precautions to be taken to prevent electric shock.								
Programme Outcome Relations	PO1: PO2: PO3: 4 PO4: 2 PO5: 5 PO6: 4 PO7: 4	PO8: PO9: 2 PO10: PO11: PO12: PO13: PO15:	PO14:	(1) Strongly disagree; Neither agree nor disagree; agree.					(2) Disagree; (3) (4) Agree; (5) Strongly
Textbooks and/or References	1. Kahn, Joseph "Principles and practice of electrotherapy" New York, 1991 2. Sheila Kitchen "Electrotherapy : evidence-based practice"Edinburg, 2002 3. John Low, Ann Reed "Electrotherapy explained : principles and practice" Oxford, 2004 4. Theresa Nalty,"Electrotherapy clinical procedures manual" New York, 2001 5. Özdiñçler, R. A. (2016). Fiziksel Modaliteler ve Elektrotterapi. İstanbul 6. Şimşek, N. Ve arkadaşları (2015).Elektrotterapide Temel Prensipler ve Klinik Uygulamalar. Ankara								
WEEK	Date	TOPICS						Reference No - Section	
Week 1	22/09/2025	Introduction to electrotherapy							
Week 2	29/09/2025	History, Terminology							
Week 3	06/10/2025	Direct Current- practical							
Week 4	13/10/2025	Medical Galvanism practical, Iontophoresis, Effects of poles, Iontophoresis practical							
Week 5	20/10/2025	Interrupted Galvanic Current and practical							
Week 6	27/10/2025	Low Frequency Currents- (faradic current under pressure) practical							
Week 7	03/11/2025	Diadynamic Current and Diadynamic Current practice							
Week 8	08-16/11/25	Midterms							
Week 9	17/11/2025	TENS and TENS practice							
Week 10	24/11/2025	Interferential Therapy							
Week 11	01/12/2025	Interferential Therapy practical							
Week 12	08/12/2025	EMG and Electrodiagnosis practice							
Week 13	15/12/2025	Electrodiagnosis practice							
Week 14	22/12/2025	Practice							
Week 15	29/12/2025	Course Review and Revision							
Week 15-16	03-11/01/26	Finals							
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)				
	Final Exam	1		30					
	Semester Evaluation								
	Midterm(s)	1		20					
	Practical Exam	1		50					
	Project(s)								
	Homework								
	Laboratory works								
Attendance									
*** Lifelong Learning Programme (LLP) ***				Language of Instruction:		English			
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours				
Theoretical lecturing hours (TLH)	14	28	Homework						
TLH self study	14	28	Project						
Quiz (Q)			Presentation						
Q preparation self study			Seminar						
Laboratory (L)			Tutorial						
L preparation work			Applied Hours (A)	14	28				
Midterm exam (ME)	1	2	Final exam (FE)	1	2				
ME preparation self study	3	14	FE preparation self study	3	14				
TOTAL :					116				
Recommended ECTS Credit (Total Hours / 30) :					3.87				



EUROPEAN UNIVERSITY OF LEFKE

Physiotherapy and Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Fall Semester

Course Code	PTRH 213	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
			T	A	L			
Course Title	Biomechanics	Compulsory	2	0	2	2	3	Friday 09:00-10:50
Prerequisite	Prerequisite to							
Course Lecturer	Dr. Lecturer Fahriye Çoban					Office Hours Schedule		Thursday 10:00-11:50
E-mail	fcoban@eul.edu.tr					Office / Room No		
Phone	2565					Phone		
Teaching Assistant						Office / Room No		
E-mail								
Catalogue Descriptions	This course aims to offer an understanding of kinematic (displacement, time, speed, velocity, etc.) and kinetic (forces, moments, load distribution) variables of human movement and the ways and tools to evaluate and quantify them. In addition, students will learn to appreciate the different forms of loading in the living tissues and the mechanical, the biological and the biochemical effect the have on tissue homeostasis. Last but not least, the aim of this course is to provide the students the necessary understanding of how to use the knowledge of tissue loading in real practice when they are called to design ergonomic and therapeutic interventions in order to prevent or rehabilitate injuries or facilitate performance.							
Objectives	Basic biomechanical principles, mechanical properties, vector analysis, kinetics and kinematics applied in biomechanics, work/energy evaluation methods							
Learning Outcomes	Upon successful completion of the course, students will be able to: (1) To understand types of forces affecting the human body and the analysis methods of forces (2) Gains knowledge and skills about biomechanical principles. (3) Knows joint structures, leverage systems, balance and movement principles. (4) Knows the functions and mechanical properties of collagen, cartilage, bone and muscle structures.							
Programme Outcome Relations	PO1: 1 PO2: 2 PO3: 5 PO4: 1 PO5: 5 PO6: 1 PO7: 1	PO8: 1 PO9: 5 PO10: 2 PO11: 3 PO12: 1 PO13: 5 PO14: 3 PO15: 3	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.					
Textbooks and/or References	1	Nordin M. and Frankel V.H. Basic biomechanics of the musculoskeletal system. 4th Ed Lippincott Williams & Wilkins 2012 978609133351						
	2	Neumann D. Kinesiology of the Musculoskeletal System, 2 nd Ed Mosby 2010 9780323039895						
	3	Susan Hall Basic Biomechanics 6th Ed. McGraw-Hill 2011 978-0073376448						
	4	Enoka Roger Neuromechanics of Human Movement-4th Edition Human Kinetics 2008 978-0736066792						
WEEK	Date	TOPICS					Reference No - Section	
Week 1	26/09/2025	Introduction of Biomechanics						
Week 2	03/10/2025	Reference planes and coordinates						
Week 3	10/10/2025	Force and Force types						
Week 4	17/10/2025	Force as Vectors						
Week 5	24/10/2025	Friction						
Week 6	31/10/2025	Joint movement						
Week 7	07/11/2025	Friction						
Week 8	14/11/2025	Midterms						
Week 9	21/11/2025	Balance						
Week 10	28/11/2025	Stability						
Week 11	05/12/2025	Upper Extremity Biomechanics - Shoulder complex						
Week 12	12/12/2025	Upper Extremity Biomechanics - Wrist complex						
Week 13	19/12/2025	Lower Extremity Biomechanics - Hip complex						
Week 14	26/12/2025	Lower Extremity Biomechanics - Knee complex						
Week 15	02/01/2026	Gait Analyses						
Week 15-16	09/01/2026	Finals						
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)			
	Final Exam	1	03-11/01/26	60	60.0			
	Semester Evaluation				40			
	Midterm(s)	1	08-16/11/25	40	40.0			
	Quiz(ze)s							
	Project(s)							
	Homework							
	Laboratory works							
Attendance								
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:		English			
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours			
Theoretical lecturing hours (TLH)	14	28	Homework					
TLH self study	14	28	Project					
Quiz (Q)			Presentation					
Q preparation self study			Seminar					
Laboratory (L)		14	Tutorial					
L preparation work								
Midterm exam (ME)	1	1.5	Final exam (FE)	1	1.5			
ME preparation self study	1	8	FE preparation self study	1	15			
TOTAL :					96			
Recommended ECTS Credit (Total Hours / 30) :					3.20			



EUROPEAN UNIVERSITY OF LEFKE

Department of Physical Therapy & Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Fall Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule	
			T	A	L				
PTRH215	Neuroanatomy	Compulsory	2	0	0	2		Saturday 12:00-13:50 AS 202	
Prerequisite		Prerequisite to							
Course Lecturer	Assist. Prof. Dr. Musa Muhtaroglu					Office Hours Schedule	Monday 14:00-16:00		
E-mail	mmuhtaroglu@eul.edu.tr						Tuesday 14:00-16:00		
Phone	2508					Office / Room No	CL-104		
Teaching Assistant						Phone	6602000		
E-mail						Office / Room No	2728		
Catalogue Descriptions	This course introduces the fundamental principles of neuroanatomy with an emphasis on the structural and functional organization of the human nervous system and its relevance to physical therapy and rehabilitation. Students gain a foundational understanding of the central and peripheral nervous systems, including the brain, spinal cord, cranial nerves, spinal nerves, and autonomic nervous system. The course covers the basic gross and microscopic anatomy of neural tissues, major neural pathways, and functional neuroanatomy related to movement, sensation, reflex activity, and motor control. Emphasis is placed on understanding structure–function relationships and their clinical relevance in physical therapy assessment and rehabilitation planning.								
Objectives	To provide undergraduate physical therapy and rehabilitation students with fundamental knowledge of the structure and functional organization of the human nervous system. The course aims to develop an understanding of the central and peripheral nervous systems, basic neural pathways, and structure–function relationships related to movement, sensation, and motor control. Emphasis is placed on the application of neuroanatomical knowledge to physical therapy								
Learning Outcomes	Upon successful completion of the course, students will be able to: (1) identify the major anatomical structures of the central and peripheral nervous systems; (2) explain the basic functional organization of the nervous system related to movement and sensation; (3) describe major neural pathways involved in motor control and sensory processing; (4) relate neuroanatomical structures to functional outcomes relevant to physical therapy and rehabilitation; (5) apply fundamental neuroanatomical knowledge to physical therapy assessment and rehabilitation practice.								
Programme Outcome Relations	PO1: 5 PO2: 4 PO3: 4 PO4: 5 PO5: 2 PO6a: 1 PO6b: 1		PO7: 3 PO8: 3 PO9: 1 PO10a: 1 PO10b: 1 PO11: 3		(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.				
Textbooks and/or References	<ol style="list-style-type: none"> 1 Martin JH, Neuroanatomy: Text and Atlas, 5th ed., McGraw-Hill, 2020. 2 Blumenfeld H, Neuroanatomy Through Clinical Cases, 3rd ed., Oxford University Press, 2021. 3 Singh V, Textbook of Clinical Neuroanatomy, 4th ed., Elsevier, 2020. 								
WEEK	Date	TOPICS					Reference No - Section		
Week 1	27/09/2025	Introduction to Neuroanatomy: Organization of the nervous system, basic terminology					1: 1.1, 1.2, 1.3, 1.4, 1.5		
Week 2	04/10/2025	Neuroanatomy I: Neurons, neuroglia, synapses, and neural communication					1: 1.7, 1.8, 1.9		
Week 3	11/10/2025	Neuroanatomy II: Spinal cord anatomy, spinal segments, and reflex pathways					1: 2.1, 2.2, 2.3		
Week 4	18/10/2025	Neuroanatomy III: Ascending and descending pathways related to sensation and movement					1: 2.4, 2.5, 2.6		
Week 5	25/10/2025	Brainstem I: External anatomy and functional organization					1: 3.1, 3.2, 3.3		
Week 6	01/11/2025	Brainstem II: Cranial nerve nuclei and functional components					2: 3.4, 3.5, 3.6		
Week 7	08/11/2025	Cerebellum: Anatomy, connections, and role in motor control					2: 3.7, 3.8		
Week 8	15/11/2025	Midterms							
Week 9	22/11/2025	Diencephalon and Basal Ganglia: Functional anatomy related to movement regulation					2: 3.9, 4.1		
Week 10	29/11/2025	Cerebral Hemispheres I: Lobes, cortical areas, and functional organization					2: 4.2, 4.3, 4.4		
Week 11	06/12/2025	Cerebral Hemispheres II: Motor, sensory, and association cortices					3: 4.5, 4.6, 4.7		
Week 12	13/12/2025	Autonomic Nervous System: Sympathetic and parasympathetic organization					3: 5.1		
Week 13	20/12/2025	Functional Neuroanatomy: Structure–function relationships in movement and sensation					3: 6.1, 6.2, 6.3		
Week 14	27/12/2025	Neuroanatomical Basis of Rehabilitation: Clinical correlations for physical therapy					3: 6.4, 6.5		
Week 15	03/01/2026	Final							
Week 15-16	03-11/01/26	Finals							
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)				
	Final Exam	1	03/01/2026	60					
	Semester Evaluation				100				
	Midterm(s)	1	08/11/2025	40	40.0				
	Quiz(zes)								
	Project(s)								
	Homework								
	Laboratory works	0							
Attendance									
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:		English				
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours				
Theoretical lecturing hours (TLH)	14	28	Homework						
TLH self study	14	28	Project						
Quiz (Q)			Presentation						
Q preparation self study			Seminar						
Laboratory (L)			Tutorial						
L preparation work									
Midterm exam (ME)	1	1	Final exam (FE)	1	1				
ME preparation self study	1	6	FE preparation self study	1	12				
TOTAL :					76				
Recommended ECTS Credit (Total Hours / 30) :					2.53				



EUROPEAN UNIVERSITY OF LEFKE

Physiotherapy and Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Fall Semester

Course Code	PTRH 217	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
Course Title	Neurophysiology	Compulsory	T	A	L	2	3	Tuesday 12:00-13:50
Prerequisite	Prerequisite to							
Course Lecturer	Dr. Lecturer Fahriye Çoban					Office Hours Schedule	Wednesday 11:00-12:00 Thursday 09:00-10:00	
E-mail	fcoban@eul.edu.tr							
Phone	2565					Office / Room No		
Teaching Assistant						Phone		
E-mail						Office / Room No		
Catalogue Descriptions	This course aims to provide students with knowledge about the structures of the central and peripheral nervous systems and the afferent-efferent pathways associated with these structures, as well as detailed information in areas such as the sensory-motor system, the autonomic nervous system, pain, and movement control.							
Objectives	The aim of this course is to explain the structure of the nervous system, the electrical and chemical mechanisms of the neural function, the basic organization of the nervous system, its parts, to understand the control of body movements, and mental functions.							
Learning Outcomes	Upon successful completion of the course, students will be able to: (1) Learn the basic concepts and terminology terms related to the field of physiotherapy and rehabilitation and can use them in the field of studies, researches and applications. (2) Discuss the structure, types and functions of neurons and synapses. (3) Explain the organization of the nervous system and the functioning of its subdivisions. (4) Discuss the sensory (somatic and specific) sensory physiology, the activity states and mental functions of the brain.							
Programme Outcome Relations	PO1: 1 PO2: 2 PO3: 5 PO4: 1 PO5: 5 PO6: 1 PO7: 1		PO8: 1 PO9: 5 PO10: 2 PO11: 3 PO12: 1 PO13: 5 PO14: 3 PO15: 3			(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.		
Textbooks and/or References	1	Snell Richard S. Clinical Neuroanatomy. Lippincott Williams & Wilkins, 2010.						
	2	Haines Duane E. Neuroanatomy. An atlas of structures, sections and systems. Lippincott Williams & Wilkins, 2012.						
	3	Fizyoloji, Linda Costanzo, 6. Baskı						
	4	Tıbbi Fizyoloji, Guyton&Hall, 13. Baskı						
WEEK	Date	TOPICS					Reference No - Section	
Week 1	23/09/2025	Nervous System Structure and Organization						
Week 2	30/09/2025	Synaptic Transmission						
Week 3	07/10/2025	Neurotransmitters and the body's defense mechanism						
Week 4	14/10/2025	Central Nervous System Functions						
Week 5	21/10/2025	Central Nervous System Physiology - Receptors						
Week 6	28/10/2025	Physiology of Pain 1						
Week 7	04/11/2025	Physiology of Pain 2						
Week 8	11/11/2025	Midterms						
Week 9	18/11/2025	Sensory pathways 1						
Week 10	25/11/2025	Sensory pathways 2						
Week 11	02/12/2025	Reflexes						
Week 12	09/12/2025	Motor functions						
Week 13	16/12/2025	Lesions of motor cortical areas						
Week 14	23/12/2025	Muscle Control						
Week 15	30/12/2025	Sleep Wakefulness						
Week 15-16	06/01/2026	Finals						
Evaluation Tools	Evaluation Tool	Quantity	Date		Weight in Total (%)	Weight in Semester Evaluation (%)		
	Final Exam	1	03-11/01/26		60	60.0		
	Semester Evaluation					40		
	Midterm(s)	1	08-16/11/25		40	40.0		
	Quiz(zes)							
	Project(s)							
	Homework							
	Laboratory works							
Attendance								
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:			English		
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours			
Theoretical lecturing hours (TLH)	14	28	Homework					
TLH self study	14	28	Project					
Quiz (Q)			Presentation					
Q preparation self study			Seminar					
Laboratory (L)		14	Tutorial					
L preparation work								
Midterm exam (ME)	1	1.5	Final exam (FE)	1	1.5			
ME preparation self study	1	8	FE preparation self study	1	15			
					TOTAL :	96		
					Recommended ECTS Credit (Total Hours / 30) :	3.20		



EUROPEAN UNIVERSITY OF LEFKE

Common Courses

SYLLABUS

2025-2026 Fall Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule	
			T	A	L				
PHELO2-PHAR201-COMN201	Public Health	Compulsory	3	0	0	3	3	Thursday 09:00-12:00	
Prerequisite		Prerequisite to							
Course Lecturer	Assoc. Prof. Dr. Macide ARTAC OZDAL					Office Hours Schedule	Tuesday 14:00-16:00		
E-mail	mozdal@eul.edu.tr								
Phone	2561					Office / Room No	SF009		
Teaching Assistant						Phone			
E-mail						Office / Room No			
Catalogue Descriptions	This course is designed to introduce students to the fundamental concepts, philosophy, and core application areas of public health. The curriculum covers the social, environmental, and behavioral determinants of health and explores basic methodologies for measuring health status. The course provides an introduction to epidemiology, addressing key epidemiological study methods, and the patterns of distribution and control of both chronic and infectious diseases. Furthermore, it focuses on key public health practice areas such as preventive medicine, healthcare services (specifically the role of primary health care), health promotion, environmental public health, and occupational health, providing students with a comprehensive foundation.								
Objectives	This course aims to establish a foundational understanding of public health principles, focusing on health determinants, basic epidemiology, and the quantitative assessment of population health. It prepares students to analyze disease risk factors, evaluate healthcare delivery models, and implement effective prevention and promotion strategies across environmental and occupational settings.								
Learning Outcomes	Upon successful completion of the course, students will be able to: (1) discuss the importance of public health and promotion of public health; (2) explore the determinants of health and health status measures; (3) discuss on the role of epidemiology in public health and explore chronic and infectious disease epidemiology; (4) have an insight into health promotion; health protection and levels of health prevention; (5) discuss on major issues in environmental health, global health and occupational health.								
Programme Outcome Relations	PO1: PO2: PO3: PO4: PO5: PO6:		PO7: PO8: PO9: PO10: PO11:		(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.				
Textbooks and/or References	1	Andresen E & Boulton ED (2010). Public Health Foundations. Concepts and Practices. John Wiley & Sons: San Francisco							
	2	Bonita R, Beaglehole R & Kjellstrom T (2006). Basic Epidemiology. World Health Organization: Geneva							
	3	US Department of Health and Human Services (2012). Principles of Epidemiology in Public Health Practice. 3rd Ed. US Department of Health and Human Services: Atlanta							
	4	Artac Ozdal, M. COM201 Public Health, Lecture Notes, European University of Lefke							
WEEK	Date	TOPICS					Reference No - Section		
Week 1	25/09/2025	Introduction to public health					1		
Week 2	02/10/2025	Determinants of health and measurement of health status					1		
Week 3	09/10/2025	The key risk factors for various health problems					2;3		
Week 4	16/10/2025	Health Care Services and the role of primary health care in public health					2;3		
Week 5	23/10/2025	Introduction to Epidemiology and History of Epidemiology					2;3		
Week 6	30/10/2025	Epidemiological Study Methods					2;3		
Week 7	06/11/2025	Epidemiological Study Methods					2;3		
Week 8	13/11/2025	Midterm							
Week 9	20/11/2025	Chronic diseases epidemiology					2;3		
Week 10	27/11/2025	Infectious diseases epidemiology					2;3		
Week 11	04/12/2025	Health Promotion / Health Protection/Disease Prevention					4		
Week 12	11/12/2025	Environmental Public Health					4		
Week 13	17/12/2025	Environmental Public Health					4		
Week 14	25/12/2025	Occupational Health					4		
Week 15	01/01/2026	Holiday							
Week 15-16	03-11/01/26	Finals							
Evaluation Tools	Evaluation Tool	Quantity	Date		Weight in Total (%)	Weight in Semester Evaluation (%)			
	Final Exam	1	03-11/01/26		50	50,0			
	Semester Evaluation				50				
	Midterm(s)	1	08-16/11/25		50	50,0			
	Quiz(zes)								
	Project(s)								
	Homework								
	Laboratory works								
Attendance									
*** Lifelong Learning Programme (LLP) ***				Language of Instruction:		English			
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours				
Theoretical lecturing hours (TLH)	14	42	Homework						
TLH self study	14	28	Project						
Quiz (Q)			Presentation						
Q preparation self study			Seminar						
Laboratory (L)			Tutorial						
L preparation work									
Midterm exam (ME)	1	1	Final exam (FE)	1	1				
ME preparation self study	1	9	FE preparation self study	1	15				
TOTAL :					96				
Recommended ECTS Credit (Total Hours / 30) :					3,20				



EUROPEAN UNIVERSITY OF LEFKE

Physiotherapy and Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Fall Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule	
			T	A	L				
PTR 301	Neurophysiological Approaches I	Compulsory	2	0	2	3	4	Tuesday 09:00-12:50	
Prerequisite	Prerequisite to								
Course Lecturer	Assoc. Prof. Dr. Beliz Belgen Kaygisiz					Office Hours Schedule	Tuesday 13:00-14:00		
E-mail	bkaygisiz@eul.edu.tr								
Phone	2568					Office / Room No			
Teaching Assistant						Phone			
E-mail						Office / Room No			
Catalogue Descriptions	This course covers what is stroke and what are the incidence, risk factors, symptoms of stroke. To explain clinical features observed after stroke and causes of movement dysfunction, to ensure the basic features of measurement, evaluation and neurophysiological approaches applied in stroke rehabilitation, to develop problem-solving skills in the field of post-stroke physiotherapy and rehabilitation. Within the scope of neurodevelopmental therapy, it is aimed to teach the theoretical foundations and practical applications of Brunnstrom, Bobath and Johnstone methods used in hemiplegia rehabilitation.								
Objectives	To explain what is stroke and what are the incidence, risk factors, symptoms of stroke. To explain clinical features observed after stroke and causes of movement dysfunction, to ensure the basic features of measurement, evaluation and neurophysiological approaches applied in stroke rehabilitation, to develop problem-solving skills in the field of post-stroke physiotherapy and rehabilitation. Also aims to teach the theoretical foundations and practical applications of Brunnstrom, Bobath and Johnstone methods used in hemiplegia rehabilitation.								
Learning Outcomes	Upon successful completion of the course, students will be able to: 1. To be able to define clinical problems after stroke, to apply clinical decision making process, be able to plan the treatment program. 2. To be able to describe the clinical features seen after stroke and the neurophysiological features used in the treatment of stroke. 3. To be able to describe normal movement and function seen after stroke comparison with dysfunctions 4. To be able to apply basic and neurophysiological-based measurement and evaluation methods used after stroke 5. To be able to compare the approaches, select appropriate one and apply it at the basic level. 6. Learns the definition of Bobath approach, learns Bobath technique and its effects on body parts in hemiplegia/paresis, learns the effects of Bobath technique on walking phases. 7. Learns the definition and some applications of Johnstone approach in hemiplegia/paresis. 8. Learns the definition and some applications of Brunnstrom approach in hemiplegia/paresis.								
Programme Outcome Relations	PO1: 5 PO2: 4 PO3: 5 PO4: 4 PO5: 3	PO6: 2 PO7: 4 PO8: 3 PO9: 1 PO10: 4	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.						
Textbooks and/or References	1 Pubmed 2 Medline 3								
WEEK	Date	TOPICS					Reference No - Section		
Week 1	25/09/2025	Introduction and Course Objectives							
Week 2	02/10/2025	Importance of Using Evidence-Based Approaches					1		
Week 3	09/10/2025	Different Types of Evidence Based Strengthening Exercise - ROM, Resistance ex.					1		
Week 4	16/10/2025	Different Types of Evidence Based Strengthening Exercise- Isometric, PRE ex.					1,2		
Week 5	23/10/2025	Different Types of Evidence Based Stretching Exercise,- Active- Pasice Strech, Wand ex.					1,2		
Week 6	30/10/2025	Different Types of Evidence Based Spine Stabilisation Exercises					1,2		
Week 7	06/11/2025	Different Types of Evidence Based Open-Closed Chain Exercises					1,2		
Week 8	13/11/2025	Midterm Week					1,2		
Week 9	20/11/2025	Evidence Based Balance exercise							
Week 10	27/11/2025	Evidence Based Proprioception Exercise					1,2		
Week 11	04/12/2025	Evidence Based - Relaxation Exercises, Clinical Pilates and Yoga					1,2		
Week 12	11/12/2025	Using Artificial Intelligence in Evidence Based Exercise					1,2		
Week 13	18/12/2025	Using Technology in Evidence Based Exercise					1,2		
Week 14	25/12/2025	Review					1,2		
Week 15	01/01/2026	Holiday							
Week 15-16	08/01/2026	Finals							
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)				
	Final Exam	1	06/01/2026	60	100.0				
	Semester Evaluation								
	Midterm(s)	2	18/11/2025	40	100.0				
	Quiz(zes)								
	Project(s)								
	Homework								
	Laboratory works								
Attendance									
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:		English				
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours				
Theoretical lecturing hours (TLH)	14	28	Homework						
TLH self study	8	18	Project						
Quiz (Q)			Presentation						
Q preparation self study			Seminar						
Laboratory (L)	14	28	Tutorial						
L preparation work									
Midterm exam (ME)	1	2	Final exam (FE)	1	2				
ME preparation self study	1	14	FE preparation self study	1	28				
TOTAL :					120				
Recommended ECTS Credit (Total Hours / 30) :					4.00				



EUROPEAN UNIVERSITY OF LEFKE

Physiotherapy and Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Fall Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule	
			T	A	L				
PTR 305	PEDIATRIC REHABILITATION	Compulsory	2	0	2	3		FRIDAY 09:00-16:00	
Prerequisite	Prerequisite to								
Course Lecturer	Prof. Dr BIROL BALABAN					Office Hours Schedule	FRIDAY 09:00-16:00		
E-mail	balabanbirol@yahoo.com								
Phone	0532.261.61.73					Office / Room No	Faculty of Health Sciences		
Teaching Assistant						Phone			
E-mail						Office / Room No			
Catalogue Descriptions	The aim is to equip Physical Therapy and Rehabilitation students with knowledge of childhood and adolescent diseases causing physical disabilities, their prognoses, treatment and rehabilitative approaches, and treatment strategies within the neurodevelopmental process that they will encounter throughout their professional lives, and to reinforce this knowledge with practical applications.								
Objectives	<p>By the end of this course, students will be able to:</p> <ul style="list-style-type: none"> Develop evidence-based and forward-thinking skills to maintain the importance and relevance of physiotherapy and rehabilitation as a profession. Learn and use the basic medical terminology and clinical knowledge necessary for physiotherapy and rehabilitation practices. Conduct assessments for physiotherapy and rehabilitation. Define clinical physiotherapy and rehabilitation programs using physiotherapy and rehabilitation methods. Plan and implement individual physiotherapy and rehabilitation programs. Follow innovations related to physiotherapy and rehabilitation practices. Archive and store documents related to physiotherapy and rehabilitation practices. Possess lifelong learning skills and follow professional innovations. Plan, implement, and present scientific research related to physiotherapy and rehabilitation practices. 								
Learning Outcomes	<p>Upon successful completion of this course, the student will be able to:</p> <ul style="list-style-type: none"> LO1 Know the conditions that cause functional disability, handicap and pediatric population. LO2 "Use assessment methods of physiotherapy in children with lower motor neuron lesion, practice physiotherapy program in children with lower motor neuron lesion" LO3 "Use assessment of physiotherapy in children with Cerebral Palsy, practice physiotherapy program in children with Cerebral Palsy" LO4 "Use appropriate assessment methods and practices of physiotherapy and rehabilitation programme in torticollis, obstetrical brachial plexus paralysis, high risk infants and mental motor retardation conditions which are commonly seen in childhood." LO5 Solve clinical problem of children with lower and upper motor neuron lesion. 								
Programme Outcome Relations	PO1: PO2: PO3: PO4: PO5: PO6: PO7:	PO8: PO9: PO10: PO11: PO12: PO13: PO14: PO15:	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.						
Textbooks and/or References	1-Prof. Dr. Birol BALABAN, Pediatric Rehabilitation, ENSEV Publications, Ankara, 2013 2-T. Tarsuslu Şimşek, Pediatric Physiotherapy, Pelikan Bookstore, Ankara, 2016								
WEEK	Date	TOPICS					Reference No - Section		
1. Hafta	10.10.2025	Evaluation of Gait (Normal and Pathologic)							
2. Hafta	10.10.2025	Introduction to Pediatric Rehabilitation							
3. Hafta	24.10.2025	Rehabilitation of Cerebral Palsy-1							
4. Hafta	24.10.2025	Rehabilitation of Cerebral Palsy-2							
5. Hafta	07.11.2025	Congenital Spinal Cord Injuries and Rehabilitation							
6. Hafta	07.11.2025	Congenital Spinal Cord Injuries and Rehabilitation							
7. Hafta	13.11.2025	Midterm Exam							
8. Hafta	28.11.2025	Neuromuscular Diseases and Rehabilitation							
9. Hafta	28.11.2025	Neuromuscular Diseases and Rehabilitation-2							
10. Hafta	12.12.2025	Rehabilitation in Juvenile Idiopathic Arthritis and Rheumatic Diseases							
11. Hafta	18.12.2025	Other Diseases that Create Disability in Childhood							
12. Hafta	18.12.2025	Overview of semester repeat topics							
13. Hafta	11.01.2026	Final Exam							
Evaluation Tools	Evaluation Tool	Quantity	Date		Weight in Total (%)	Weight in Semester Evaluation (%)			
	Final Exam	1			60				
	Semester Evaluation								
	Midterm(s)	1			40				
	Quiz(zes)								
	Project(s)								
	Homework								
	Laboratory works								
Attendance									
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours				
Theoretical lecturing hours (TLH)			Homework						
TLH self study			Project						
Quiz (Q)			Presentation						
Q preparation self study			Seminar						
Laboratory (L)			Tutorial						
L preparation work			Applied Hours (A)						
Midterm exam (ME)			Final exam (FE)						
ME preparation self study			FE preparation self study						
TOTAL :								0	



EUROPEAN UNIVERSITY OF LEFKE

Physiotherapy and Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Fall Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule		
			T	A	L					
PTR307	SPORTIVE PHYSIOTHERAPY AND REH	Compulsory	2	2	0	3	4	WEDNESDAY 9.00-13.00		
Prerequisite	Prerequisite to									
Course Lecturer	Asst. Prof. Dr. Beraat Alptuğ					Office Hours Schedule		FRIDAY 9.00-13.00		
E-mail	balptug@eul.edu.tr					Office / Room No		SF011		
Phone	2554					Phone				
Teaching Assistant						Office / Room No				
E-mail										
Catalogue Descriptions	Description of sports physiotherapy, comprehension of the importance of women and sport, . Comprehension of the training knowledge, sports psychology, sports nutrition. Description of the physical fitness and test batteries in different groups. Description of the sport injuries and their healing processes. Measurement, evaluation and treatment applications in sport injuries and athletes, application of clinical decision making process and return to sport.									
Objectives	Describing sports physiotherapy, physical fitness, sports injuries and soft tissue injuries healing process, comprehending measurement and evaluation techniques in sports and sports injuries and also basic principles related to the treatment techniques and reflecting these comprehensions to the applications, development of clinical problem solving after sport injuries in sports physiotherapy area and providing athletes to safely return to the sport activities.									
Learning Outcomes	After studying this course, students will be able to: LO1- Describe sports physiotherapy, principles of sports physiotherapy, physical fitness and physical fitness test batteries for athletes. LO2- Describe common sports injuries and healing process in athletes. LO3- Describe the importance of measurement and evaluation in sports. LO4- Describe the first aid and preliminary treatment in sports injuries. LO5- Comprehend and applies current measurement and evaluation techniques in sports injuries, comprehends accurate treatment principles in sport injuries. LO6- Comprehend and have knowledge about children and sport, women and sport, elderly and sport, disability and sport.									
Programme Outcome Relations	PO1: PO2: PO3: 4 PO4: 3 PO5: 5 PO6: 4 PO7: 4	PO8: 4 PO9: PO10: PO11: 4 PO12: PO13: PO15:	PO14:	(1) Strongly disagree; nor disagree; (4) Agree;					(2) Disagree; (5) Strongly agree.	(3) Neither agree
Textbooks and/or References	1) Baltacı G, Tunay BV, Beşler A, Ergun N. Spor Yaralanmalarında Egzersiz Tedavisi, 2. Baskı, Alp Yayıncılık, 2006 2) Puddu G., Giombini A., Selvanetti A. Rehabilitation of Sports Injuries. Springer-Verlag, Berlin, Heidelberg, NY, 2001. 3) American College of Sports Medicine?s Guidelines for Exercise Testing and Prescription, 7th Edt, Lippincott Williams&Wilkins, 2006. 4) Baltacı G, Düzgün I, Aytaç A, Şenbursa G, Özünü Pekyavaş N. Omuz yaralanmalarında rehabilitasyon. Pelikan Yayıncılık, 2015. ☐									
WEEK	Date	TOPICS					Reference No - Section			
Week 1	24/09/2025	Introduction to sports physiotherapy and rehabilitation								
Week 2	01/10/2025	Acute injuries in sportive physiotherapy and rehabilitation								
Week 3	08/10/2025	Overuse in sportive physiotherapy and rehabilitation								
Week 4	15/10/2025	Description of physical fitness, physical fitness tests for athletes, adults, and children.								
Week 5	22/10/2025	Physical Fitness Assessment Methods in Sports								
Week 6	29/10/2025	National holiday								
Week 7	05/11/2025	Physical Activity, Exercise and Sports								
Week 8	08-16/11/25	Midterms								
Week 9	19/11/2025	Treatment Principles in Sports Injuries								
Week 10	26/11/2025	Bandage								
Week 11	03/12/2025	Prevention of Sports Injuries								
Week 12	10/12/2025	Sports for people with disabilities								
Week 13	17/12/2025	Women and Sports								
Week 14	24/12/2025	Elderly and Sports								
Week 15	31/12/2025	Course Review and Revision								
Week 15-16	03-11/01/26	Finals								
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)					
	Final Exam	1		50						
	Semester Evaluation									
	Midterm(s)	2		50						
	Quiz(ze)s									
	Project(s)									
	Homework									
	Laboratory works									
	Attendance									
*** Lifelong Learning Programme (LLP) ***				Language of Instruction:		English				
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours					
Theoretical lecturing hours (TLH)	14	28	Homework							
TLH self study	14	42	Project							
Quiz (Q)			Presentation							
Q preparation self study			Seminar							
Laboratory (L)			Tutorial							
L preparation work			Applied Hours (A)	14	28					
Midterm exam (ME)	1	2	Final exam (FE)	1	2					
ME preparation self study	4	8	FE preparation self study	10	20					
TOTAL :					130					
Recommended ECTS Credit (Total Hours / 30) :					4.33					



EUROPEAN UNIVERSITY OF LEFKE

Physiotherapy and Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Fall Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
			T	A	L			
PTR353	KINESIOLOGY I	Compulsory	2	0	0	2	3	MONDAY 14.00- 16.00
Prerequisite		Prerequisite to						
Course Lecturer	Asst. Prof. Dr. Beraat Alptuğ				Office Hours Schedule	FRIDAY 9.00-13.00		
E-mail	balptug@eul.edu.tr				Office / Room No	SF011		
Phone	2554				Phone			
Teaching Assistant					Office / Room No			
E-mail					Office / Room No			
Catalogue Descriptions	This course introduces the fundamental principles of kinesiology and biomechanics, focusing on the mechanical and anatomical aspects of human movement. Topics include joint, bone, cartilage, and connective tissue biomechanics, gait analysis, and the effects of stress on musculoskeletal structures. Students will learn to analyze movement, understand injury mechanisms, and apply biomechanical concepts to clinical and daily activities.							
Objectives	Principles of the Kinesiology, joint biomechanics, connective tissue biomechanics, bone biomechanics, cartilage biomechanics, shoulder, elbow, wrist biomechanics, and kinesiology principles, columna vertebralis and Principles of the Kinesiology, knee, hip, ankle biomechanical principles, gait biomechanics, artificial joint biomechanics, explaining the fracture based on biomechanics, explaining the mechanism of the movement and active muscles, bones, joints, ligaments and tendons during the movement, understanding the daily stresses to these structures, effects of the stresses, different pathological situations.							
Learning Outcomes	LO1- Describes the contents of kinesiology, gains an awareness regarding kinesiology and physiotherapy approaches. LO2- Classifies the mechanical principles of motion and uses them in motion analyses. LO3- Describes mechanics and pathomechanics of bone, muscle, cartilage and the other collagen tissue; questions the potential risks during the exercise applications and gains skill to analyse. LO4- Knows the mechanics and pathomechanics of the joints and, chooses the knowledge for applications and develops problem solving skills. LO5- Defines balance, weight bearing and orientation planes and gains skill to organise and utilise this knowledge in practice. LO6- Defines the determinants of normal and pathological gait and analysis, lists the compensatory mechanisms, knows the kinematic and kinetic data to plan the physiotherapy program in gait pathologies.							
Programme Outcome Relations	PO1: PO2: 3 PO3: 3 PO4: 4 PO5: 4 PO6: 3 PO7: 4	PO8: 3 PO9: PO10: PO11: PO12: PO13: PO14: PO15:	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.					
Textbooks and/or References	1Frankel VH, Nordin M. Basics biomechanics of the skeletal system. Lea&Febiger, Philadelphia, 1980. 2Akma.M.N.Temel ve uygulamalı kinezyoloji. Ankara 2003 3Carol A. Datis. Kinesiology : The Mechanics and Pathomechanics of Human Movement,2008. 4Neumann, D. A. (2016). Kinesiology of the musculoskeletal system-e-book: foundations for rehabilitation. Elsevier Health Sciences. 5Current literature							
WEEK	Date	TOPICS					Reference No - Section	
Week 1	22/09/2025	WHAT IS KINESIOLOGY? Introduction						
Week 2	29/09/2025	Basic concepts of KINESIOLOGY						
Week 3	06/10/2025	The skeletal system and connective tissue 1						
Week 4	13/10/2025	The skeletal system and connective tissue 2						
Week 5	20/10/2025	The skeletal system and connective tissue pathomechanics						
Week 6	27/10/2025	The muscular system and pathomechanics; EMG						
Week 7	03/11/2025	The neuromuscular system and pathomechanics						
Week 8	08-16/11/25	Midterms						
Week 9	17/11/2025	Fatigue and contracture, Joint Motion						
Week 10	24/11/2025	Centre of balance and gravity, planes of orientation and coordinates						
Week 11	01/12/2025	Normal gait - Kinematic and kinetic analyzes of gait						
Week 12	08/12/2025	Normal gait - Kinematic and kinetic analyzes of gait						
Week 13	15/12/2025	Pathological gait						
Week 14	22/12/2025	Pathological gait						
Week 15	29/12/2025	Course Review and Revision						
Week 15-16	03-11/01/26	Finals						
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)			
	Final Exam	1		60				
	Semester Evaluation							
	Midterm(s)	1		40				
	Quiz(zes)							
	Project(s)							
	Homework							
	Laboratory works							
Attendance								
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:			English		
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours			
Theoretical lecturing hours (TLH)	14	28	Homework					
TLH self study	14	42	Project					
Quiz (Q)			Presentation					
Q preparation self study			Seminar					
Laboratory (L)			Tutorial					
L preparation work			Applied Hours (A)					
Midterm exam (ME)	1	2	Final exam (FE)	1	2			
ME preparation self study	2	4	FE preparation self study	3	16			
					TOTAL :	94		
					Recommended ECTS Credit (Total Hours / 30) :	3.13		



EUROPEAN UNIVERSITY OF LEFKE

Health and Sciences Faculty

SYLLABUS

2025-2026 Fall Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule	
			T	A	L				
PTR355	Pulmonary Physiotherapy and Rehabilitation	Compulsory	1	0	2	2	2	Wednesday 14:00-16:50 LAB	
Prerequisite	Prerequisite to								
Course Lecturer	Assist. Prof. Dr. Necati ÖZLER					Office Hours Schedule	Monday 09.00-14.00		
E-mail	nozler@eul.edu.tr								
Phone	2566					Office / Room No			
Teaching Assistant						Phone			
E-mail						Office / Room No			
Catalogue Descriptions	Pulmonary Rehabilitation is a comprehensive, evidence-based course designed to provide students with theoretical knowledge and practical skills for the assessment, management, and rehabilitation of individuals with acute and chronic respiratory diseases. The course covers the pathophysiology of pulmonary disorders, functional evaluation methods, exercise training, airway clearance techniques, breathing strategies, and patient education. Emphasis is placed on improving functional capacity, reducing symptoms, enhancing quality of life, and promoting long-term self-management in patients with respiratory dysfunction.								
Objectives	The aim of this course is to equip students with the ability to assess respiratory function, design and implement individualized pulmonary rehabilitation programs, and apply evidence-based physiotherapy interventions for patients with obstructive and restrictive lung diseases. Upon completion of the course, students are expected to develop clinical reasoning skills, promote functional independence, and contribute to the multidisciplinary management of patients with pulmonary								
Learning Outcomes	LO 1. Be able to define the basic principles and methods of pulmonary rehabilitation. LO 2. Develop individualized exercise programs to improve respiratory functions. LO 3. Develop strategies to contribute to the treatment process of patients with chronic respiratory diseases. LO 4. Understand the psychological effects of pulmonary rehabilitation and explore ways to enhance patient motivation. LO 5. Evaluate the physical and psychological benefits of pulmonary rehabilitation programs on patient health.								
Programme Outcome Relations	PO1: 5 PO2: 4 PO3: 4 PO4: 5 PO5: 1 PO6: 2	PO7: 3 PO8: 3 PO9: 1 PO10: 1 PO11: 1 PO12: 3 PO13: 1	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.						
Textbooks and/or References	1 Pulmonary Rehabilitation Editor: Richard Casaburi, Thomas L. Petty 2 Clinical Exercise Testing Editor: Paul D. Wagner 3 Cardiopulmonary Physical Therapy Editor: Ellen Hilleagass								
WEEK	Date	TOPICS						Reference No - Section	
Week 1	22-26/09/25	Introduction to Pulmonary Rehabilitation: Scope, Goals, and Multidisciplinary Approach						1	
Week 2	29/09-03/10/25	Basic Respiratory Anatomy and Physiology						1,2	
Week 3	06-10/10/25	Pathophysiology of Obstructive and Restrictive Lung Diseases						1,3	
Week 4	13-17/10/25	Clinical Assessment of Pulmonary Patients (History Taking and Physical Examination)						1	
Week 5	20-24/10/25	Pulmonary Function Tests and Functional Outcome Measures						2,3	
Week 6	27-31/10/25	Dyspnea, Fatigue, and Exercise Intolerance: Assessment and Clinical Interpretation						2	
Week 7	03-07/11/25	Exercise Training Principles in Pulmonary Rehabilitation						3,2	
Week 8	08-16/11/25	Midterms							
Week 9	17-21/11/25	Aerobic, Resistance, and Respiratory Muscle Training						3,2	
Week 10	24-28/11/25	Breathing Strategies and Airway Clearance Techniques						1,2,3	
Week 11	01-05/12/25	Pulmonary Rehabilitation in Chronic Obstructive Pulmonary Disease (COPD)						3,2	
Week 12	08-12/12/25	Pulmonary Rehabilitation in Restrictive and Neuromuscular Disorders						1	
Week 13	15-19/12/25	Pulmonary Rehabilitation in Acute and Post-Surgical Conditions						3,2	
Week 14	22-26/12/25	Pulmonary Rehabilitation in Intensive Care Unit						2	
Week 15	29-31/12-25	Case-Based Discussions and Program Design in Pulmonary Rehabilitation						3	
Week 15-16	03-11/01/26	Finals							
Evaluation Tools	Evaluation Tool	Quantity	Date			Weight in Total (%)	Weight in Semester Evaluation (%)		
	Final Exam	1				50			
	Semester Evaluation					50			
	Midterm(s)	1				50	100.0		
	Quiz(zes)								
	Project(s)								
	Homework								
	Laboratory works	7							
Attendance									
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:			English			
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours				
Theoretical lecturing hours (TLH)	14		Homework						
TLH self study	14		Project						
Quiz (Q)			Presentation						
Q preparation self study			Seminar						
Laboratory (L)	7	14	Tutorial						
L preparation work	7	40							
Midterm exam (ME)	1	1.5	Final exam (FE)	1	1.5				
ME preparation self study	1	8	FE preparation self study	1	15				
					TOTAL :	80			
					Recommended ECTS Credit (Total Hours / 30) :	2.67			



EUROPEAN UNIVERSITY OF LEFKE

Health and Sciences Faculty

SYLLABUS

2025-2026 Fall Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
			T	A	L			
PTR359	Orthotics - Prosthetics and Rehabilitation	Compulsory	2	0	2	4	4	Wednesday 09:00-14:00
Prerequisite	Prerequisite to							
Course Lecturer	Assist. Prof. Dr. Necati ÖZLER					Office Hours Schedule	Monday 09.00-14.00	
E-mail	nozler@eul.edu.tr							
Phone	2566					Office / Room No		
Teaching Assistant						Phone		
E-mail						Office / Room No		
Catalogue Descriptions	The Prosthetics and Orthotics course focuses on the design, application, and clinical use of prosthetic and orthotic devices used to replace or support body parts that have been lost or impaired. Students will learn about the anatomical and functional characteristics of prostheses and orthoses, different types, materials, and technologies used, while also developing skills in patient assessment to make clinical decisions regarding appropriate device selection. The course combines both theoretical knowledge and practical skills, contributing to the training of professionals specialized in this field.							
Objectives	The Prosthetics and Orthotics course focuses on the design, application, and clinical use of prosthetic and orthotic devices used to replace or support body parts that have been lost or impaired. Students will learn about the anatomical and functional characteristics of prostheses and orthoses, different types, materials, and technologies used, while also developing skills in patient assessment to make clinical decisions regarding appropriate device selection. The course combines both							
Learning Outcomes	<p>LO1 Defining the Concepts of Prosthetics and Orthotics Students will be able to define the differences between prosthetics and orthotics and clearly explain the scope and applications of each term.</p> <p>LO2 Recognizing Different Types of Prosthetics and Orthotics Students will be able to identify various types of prosthetics and orthotics (upper and lower limb prostheses, spinal orthotics, etc.) and determine in which situations each type is used.</p> <p>LO3 Understanding the Fundamental Principles in Prosthetic and Orthotic Applications Students will understand the basic principles involved in the design, structure, and use of prosthetics and orthotics (weight, balance, mobility, etc.) and learn their correct application.</p> <p>LO4 Conducting Clinical Assessments for Prosthetic and Orthotic Selection Students will be able to evaluate patients' physiological and psychological conditions and make clinical decisions regarding the appropriate selection of prosthetics and orthotics.</p> <p>LO5 Understanding Materials and Technologies Used in Prosthetics and Orthotics Students will be able to explain various materials used in prosthetics and orthotics (carbon fiber, aluminum, silicone, etc.) and their advantages and disadvantages.</p>							
Programme Outcome Relations	PO1: 5 PO2: 4 PO3: 4 PO4: 5 PO5: 1 PO6: 2		PO7: 3 PO8: 3 PO9: 1 PO10: 1 PO11: 1 PO12: 3 PO13: 1			(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.		
Textbooks and/or References	1	Ortez- Protez / Özcan Kaya Kitabı						
	2	Orthotics and Prosthetics in Rehabilitation Editors: Charles E. Bowker, Michael J. Michael						
	3	Atlas of Orthoses and Assistive Devices Editors: John D. Hsu, John W. Michael, John R. Fisk						
WEEK	Date	TOPICS					Reference No - Section	
Week 1	22-26/09/25	Prosthesis Introduction					1	
Week 2	29/09-03/10/25	Surgery Methods					1,2	
Week 3	06-10/10/25	Amputations Levels					1,3	
Week 4	13-17/10/25	Lower Extrimity Prosthesis					1	
Week 5	20-24/10/25	Upper Extretny Prosthesis					2,3	
Week 6	27-31/10/25	Amputations Rehabilitation Phases					2	
Week 7	03-07/11/25	Amputations Rehabilitation Phases I					3,2	
Week 8	08-16/11/25	Midterms						
Week 9	17-21/11/25	Orthosis İntroduction					3,2	
Week 10	24-28/11/25	Orthosis Materials					1,2,3	
Week 11	01-05/12/25	Hand Orthosis and Foot Orthosis					3,2	
Week 12	08-12/12/25	Upper Extretny Orthosis					1	
Week 13	15-19/12/25	Lower Extrimity Orthosis					3,2	
Week 14	22-26/12/25	Trunk Orthosis					2	
Week 15	29-31/12-25	Orthosis Rehabilitation					3	
Week 15-16	03-11/01/26	Finals						
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)			
	Final Exam	1		50				
	Semester Evaluation			50				
	Midterm(s)	1		50	100.0			
	Quiz(zes)							
	Project(s)							
	Homework							
Laboratory works	7							
Attendance								
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:		English			
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours			
Theoretical lecturing hours (TLH)	14		Homework					
TLH self study	14		Project					
Quiz (Q)			Presentation					
Q preparation self study			Seminar					
Laboratory (L)	7	14	Tutorial					
L preparation work	7	40						
Midterm exam (ME)	1	1.5	Final exam (FE)	1	1.5			
ME preparation self study	1	8	FE preparation self study	1	15			
TOTAL :					80			
Recommended ECTS Credit (Total Hours / 30) :					2.67			



EUROPEAN UNIVERSITY OF LEFKE

Physiotherapy and Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Fall Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
			T	A	L			
PTR 401	Clinical Practice I	Compulsory	2	0	8	6	12	Friday 11:00-17:50
Prerequisite	Prerequisite to							
Course Lecturer	Assoc. Prof. Dr. Beliz Belgen Kaygisiz					Office Hours Schedule	Thursday 13:00-14:00	
E-mail	bkaygisiz@eul.edu.tr							
Phone	2568					Office / Room No		
Teaching Assistant						Phone		
E-mail						Office / Room No		
Catalogue Descriptions	This course is designed to identify problems in cases that physiotherapists will encounter during their clinical work, to identify problems at activity and participation level and to practice appropriate physiotherapy rehabilitation programs, to determine rehabilitation approaches in the light of evidence-based scientific data, to enable students to discuss the factors in the classroom environment and in clinical environment to develop solving skills.							
Objectives	The aim of the course: 1) Gains skills to use the information obtained from the case, related to the disease and related to the case. 2) Participate in case studies within the group, physiotherapy evaluation then makes the definitions about the case, solves the problems with disorder, activity and determines the level of participation. 3) Identify personal and environmental factors that affect activity and participation restrictions. 4) Learn group work on clinical approaches and case-by-case clinical decision making 5) Learns case-relevant assessment results, short- and long-term treatment goals, and shares the treatment plan with effective communication, other opinions based on scientific grounds as discuss.							
Learning Outcomes	LO1- Discuss the patient assessment and treatment procedures in the classroom environment and in clinical environment to develop problem solving skills. LO2- Practice appropriate physiotherapy rehabilitation programs and determine rehabilitation approaches in the light of evidence-based scientific data, LO3- Identify problems in cases that physiotherapists encounter during their clinical work and identify problems of patient at pathology, body structures, activity and participation level of ICF. LO4- Observe and repeats the application of different assessment and treatment techniques used in physiotherapy and rehabilitation.							
Programme Outcome Relations	PO1: 5 PO2: 4 PO3: 5 PO4: 4 PO5: 3		PO6: 3 PO7: 4 PO8: 3 PO9: 3 PO10: 4			(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.		
Textbooks and/or References	1 Pubmed 2 Medline 3							
WEEK	Date	TOPICS						Reference No - Section
Week 1	26/09/2025	Course Information and Discussion						
Week 2	03/10/2025	Case/Disease Presentation and Discussion with ICF Framework						1,2,3,4
Week 3	10/10/2025	Case/Disease Presentation and Discussion with ICF Framework						1,2,3,4
Week 4	17/10/2025	Case/Disease Presentation and Discussion with ICF Framework						1,2,3,4
Week 5	24/10/2025	Case/Disease Presentation and Discussion with ICF Framework						1,2,3,4
Week 6	31/10/2025	Case practical and discussion						1,2,3,4
Week 7	07/11/2025	Case practical and discussion						1,2,3,4
Week 8	14/11/2025	Midterm(s)						
Week 9	21/11/2025	Case practical and discussion						1,2,3,4
Week 10	28/11/2025	Case practical and discussion						1,2,3,4
Week 11	05/12/2025	Case practical and discussion						1,2,3,4
Week 12	12/12/2025	Case practical and discussion						1,2,3,4
Week 13	19/12/2025	Case practical and discussion						1,2,3,4
Week 14	26/12/2025	Case practical and discussion						1,2,3,4
Week 15	09/01/2026	Final Exam						
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)			
	Final Exam	1	06/01/2026	50	100.0			
	Semester Evaluation							
	Midterm(s)	2	01/10/2025 - 12/30/2025	50	100.0			
	Quiz(zes)							
	Project(s)							
	Homework							
	Laboratory works							
Attendance								
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:			English		
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours			
Theoretical lecturing hours (TLH)	14	28	Homework					
TLH self study			Project					
Quiz (Q)			Presentation					
Q preparation self study			Seminar					
Laboratory (L)	14	112	Tutorial					
L preparation work								
Midterm exam (ME)	20	160	Final exam (FE)	1	2			
ME preparation self study	4	16	FE preparation self study	1	42			
TOTAL :					360			
Recommended ECTS Credit (Total Hours / 30) :					12.00			



EUROPEAN UNIVERSITY OF LEFKE

Physiotherapy and Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Fall Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
			T	A	L			
PTR 405	Physiotherapy and Rehabilitation Seminar	Compulsory	2	0	0	2	4	Thursday 11:00-12:50
Prerequisite	Prerequisite to							
Course Lecturer	Assoc. Prof. Dr. Beliz Belgen Kaygisiz					Office Hours Schedule	Thursday 13:00-14:00	
E-mail	bkaygisiz@eul.edu.tr							
Phone	2568					Office / Room No		
Teaching Assistant						Phone		
E-mail						Office / Room No		
Catalogue Descriptions	In this course, students will gain the ability to define a diagnosis/pathology/treatment methods in detail, to define evidence-based practices, to create clinical questions, to search for evidence, to evaluate and to make decisions, to identify the studies with the best level of evidence, and to use high-evidence research results in the field of rehabilitation. Students will also learn to present in a good formation.							
Objectives	The aim of the course is to evaluate and analyze different diagnosis / diseases within the scope of physiotherapy and rehabilitation, to work in groups, to integrate the information obtained in the four-year undergraduate education process through problem-based education, to develop literature review and presentation skills.							
Learning Outcomes	LO1- Overview basic knowledge and ability of physiotherapy and rehabilitation. LO2- Learn the role of the physiotherapist in the team. Learn how to compose a presentation about a scientific topic. Compose a presentation and able to present as a presenter.							LO3- LO4-
Programme Outcome Relations	PO1: 5 PO2: 4 PO3: 5 PO4: 4 PO5: 3 PO6: 4 PO7: 4	PO8: 4 PO9: 3 PO10: 3 PO11: 2 PO12: 3 PO13: 4 PO14: 4 PO15: 5	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.					
Textbooks and/or References	1	Pubmed						
	2	Medline						
	3							
WEEK	Date	TOPICS					Reference No - Section	
Week 1	25/09/2025	Course Information and Discussion						
Week 2	02/10/2025	The formation and design of presentation					1,2,3	
Week 3	09/10/2025	Group topics and discussion					1,2,3	
Week 4	16/10/2025	Group presentation					1,2,3	
Week 5	23/10/2025	Group presentation					1,2,3	
Week 6	30/10/2025	Group presentation					1,2,3	
Week 7	06/11/2025	Group presentation					1,2,3	
Week 8	13/11/2025	Midterm(s)						
Week 9	20/11/2025	Group presentation					1,2,3	
Week 10	27/11/2025	Group presentation					1,2,3	
Week 11	04/12/2025	Group presentation					1,2,3	
Week 12	11/12/2025	Group presentation					1,2,3	
Week 13	18/12/2025	Group presentation					1,2,3	
Week 14	25/12/2025	Group presentation					1,2,3	
Week 15	01/01/2026	Holiday						
Week 16	08/01/2026	Final Exam						
Evaluation Tools	Evaluation Tool	Quantity	Date		Weight in Total (%)	Weight in Semester Evaluation (%)		
	Final Exam	1	06/01/2026		60	100.0		
	Semester Evaluation							
	Midterm(s)	2	18/11/2025		40	100.0		
	Quiz(zes)							
	Project(s)							
	Homework							
Laboratory works								
Attendance								
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:			English		
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours			
Theoretical lecturing hours (TLH)	28	56	Homework					
TLH self study	8	10	Project					
Quiz (Q)			Presentation	1	24			
Q preparation self study			Seminar					
Laboratory (L)			Tutorial					
L preparation work								
Midterm exam (ME)			Final exam (FE)	1	2			
ME preparation self study			FE preparation self study	1	28			
TOTAL :					120			
Recommended ECTS Credit (Total Hours / 30) :					4.00			



EUROPEAN UNIVERSITY OF LEFKE

Physiotherapy and Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Fall Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule		
			T	A	L					
PTR 407	Problem Solving in Clinical Physiotherapy I	Compulsory	2	0	0	2	4	Thursday 09:00-10:50		
Prerequisite	Prerequisite to									
Course Lecturer	Assoc. Prof. Dr. Beliz Belgen Kaygisiz					Office Hours Schedule	Thursday 13:00-14:00			
E-mail	bkaygisiz@eul.edu.tr									
Phone	2568					Office / Room No				
Teaching Assistant						Phone				
E-mail						Office / Room No				
Catalogue Descriptions	In this course, students will gain the ability to define a case in detail, to define problem solving steps, to define evidence-based practices, to create clinical questions, to search for evidence, to evaluate and to make decisions, to identify the studies with the best level of evidence. Also to use high-evidence research results in the problem solving steps of different cases.									
Objectives	The aim is to evaluate and analyze the problems of the healthy or unhealthy population within the scope of physiotherapy and rehabilitation, to work in groups, to integrate the information obtained in the four-year undergraduate education process through problem-based education, to develop literature review and presentation skills.									
Learning Outcomes	LO1- Gain the ability to search library and web-based resources and use the obtained information in relation to the case. LO2- Participate in case studies within the group, makes definitions about the case after the physiotherapy evaluation, and determines the problems at the level of disorder, activity and participation. LO3- Identify personal and environmental factors that affect activity and participation restrictions. LO4- Use group work skills in clinical approaches and case-by-case clinical decision making. LO5- Share case-related evaluation results, short and long-term treatment goals, and treatment plan through effective communication, and discusses other views based on scientific grounds.									
Programme Outcome Relations	PO1: 5 PO2: 4 PO3: 5 PO4: 4 PO5: 3 4	PO6: PO7: 4	PO8: 4 PO9: 3 PO10: 3 PO11: 2 PO12: 3 PO13: 4 PO14: 4 PO15: 5	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.						
Textbooks and/or References	1	Pubmed								
	2	Medline								
	3									
WEEK	Date	TOPICS					Reference No - Section			
Week 1	25/09/2025	Course Information and Discussion								
Week 2	02/10/2025	What are the steps of Clinical Problem Solving?					1,2,3			
Week 3	09/10/2025	How to make short term goals in physiotherapy?					1,2,3			
Week 4	16/10/2025	How to make long term goals in physiotherapy?					1,2,3			
Week 5	23/10/2025	Group presentation					1,2,3			
Week 6	30/10/2025	Group presentation					1,2,3			
Week 7	06/11/2025	Midterm(s)								
Week 8	13/11/2025	Group presentation					1,2,3			
Week 9	20/11/2025	Group presentation					1,2,3			
Week 10	27/11/2025	Group presentation					1,2,3			
Week 11	04/12/2025	Group presentation					1,2,3			
Week 12	11/12/2025	Group presentation					1,2,3			
Week 13	18/12/2025	Group presentation					1,2,3			
Week 14	25/12/2025	Group presentation								
Week 15	01/01/2026	Holiday								
Week 16	08/01/2026	Final Exam								
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)					
	Final Exam	1	06/01/2026	60	100.0					
	Semester Evaluation									
	Midterm(s)	2	18/11/2025	40	100.0					
	Quiz(zes)									
	Project(s)									
	Homework									
	Laboratory works									
Attendance										
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:			English				
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours					
Theoretical lecturing hours (TLH)	28	56	Homework							
TLH self study	8	10	Project							
Quiz (Q)			Presentation	1	24					
Q preparation self study			Seminar							
Laboratory (L)			Tutorial							
L preparation work										
Midterm exam (ME)			Final exam (FE)	1	2					
ME preparation self study			FE preparation self study	1	28					
					TOTAL :	120				
					Recommended ECTS Credit (Total Hours / 30) :	4.00				



EUROPEAN UNIVERSITY OF LEFKE

Faculty of Health Sciences

SYLLABUS

2025-2026 Fall Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule	
			T	A	L				
HTE451-ND1XX3-NSXX3-PHARXX3-PTRXK3-CVRXX4	Health and Technology	Compulsory	3	0	0	3	5	Friday 15:00-18:00	
Prerequisite		Prerequisite to							
Course Lecturer	Dr. Yazan Awad				Office Hours Schedule	Monday 14:00-16:00			
E-mail	yawad@eul.edu.tr								
Phone					Office / Room No				
Teaching Assistant					Phone				
E-mail					Office / Room No				
Catalogue Descriptions	The Health and Technology elective introduces students to how innovations like AI, telemedicine, wearables, big data, and blockchain are reshaping healthcare. Through case studies and projects, it highlights both practical applications and the ethical, legal, and societal issues of digital health.								
Objectives	The "Health and Technology" elective explores the rapidly evolving relationship between healthcare and emerging technologies. With the global push toward digital health, this course provides students with insights into the latest technological advancements reshaping patient care, healthcare systems, and medical research. Through case studies, practical examples, and hands-on projects, students will explore the transformative role of technologies like AI, telemedicine,								
Learning Outcomes	After studying this course, students will be able to: LO1- Identify and evaluate key technological innovations in healthcare, including AI, big data, telemedicine, and wearable devices. LO2- Analyze the ethical, legal, and societal implications of integrating digital health tools into patient care and healthcare systems. LO3- Apply methods for cultivation, collection, storage, and quality control of drugs from natural origin. LO4- Apply data security and confidentiality principles in system operations. LO5- Develop and propose innovative, technology-driven solutions to address current healthcare challenges.								
Programme Outcome Relations	PO1: 5 PO2: 4 PO3: 4 PO4: 5 PO5: 1 PO6a: 1 PO6b: 1	PO7: 3 PO8: 3 PO9: 1 PO10a: 1 PO10b: 1 PO11: 3	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.						
Textbooks and/or References	1 The Digital Doctor: Hope, Hype, and Harm at the Dawn of Medicine's Computer Age by Robert Wachter 2 Deep Medicine: How Artificial Intelligence Can Make Healthcare Human Again by Eric Topol 3 Blockchain in Healthcare: Innovations That Empower Patients, Improve Care, and Save Lives by Malynn Utzinger, MD, and Michael Dillhyon								
WEEK	Date	TOPICS					Reference No - Section		
Week 1	26.09.25	Introduction to Health and Technology					1,2,3		
Week 2	03.10.25	Digital Health Ecosystem and Mobile Health Apps					1,2,3		
Week 3	10.10.25	Wearable Technology and Health Monitoring					1,2,3		
Week 4	17.10.25	Telemedicine and Remote Patient Monitoring (RPM)					1,2,3		
Week 5	24.10.25	Artificial Intelligence (AI) in Healthcare					1,2,3		
Week 6	31.10.25	Quiz							
Week 7	07.11.25	Robotics in Surgery and Rehabilitation					1,2,3		
Week 8	14.11.25	Revision							
Week 9	16 - 24.11.25	Midterm exams							
Week 10	28.11.25	3D Printing in Medicine					1,2,3		
Week 11	05.12.25	Cybersecurity and Privacy in Healthcare					1,2,3		
Week 12	12.12.25	Quiz							
Week 13	19.12.25	Digital Health Policy and Regulation					1,2,3		
Week 14	26.12.25	Discussion and Revision					1,2,3		
Week 15	10 - 19 .01.26	Final exams							
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)				
	Final Exam	1			50,0				
	Semester Evaluation								
	Midterm(s)	1		25	25,0				
	Quiz(zes)	5		25	25,0				
	Project(s)								
	Presentation								
	Laboratory works								
Attendance									
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:			English			
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours				
Theoretical lecturing hours (TLH)	13	39	Homework						
TLH self study	13	14	Project						
Quiz (Q)	5	5	Presentation						
Q preparation self study			Seminar						
Laboratory (L)			Tutorial						
L preparation work			Midterm exam (ME)	1	30				
Midterm exam (ME)	1	1	Final exam (FE)	1	1				
ME preparation self study	1	20	FE preparation self study	1	40				
TOTAL :					150				
Recommended ECTS Credit (Total Hours / 30) :					5,00				



EUROPEAN UNIVERSITY OF LEFKE - Faculty of Economics & Administrative Sciences

Department of Busines Administration

SYLLABUS

2025-2026 Spring Semester

Course Code	Course Name	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
			T	A	L			
UFEC/CFE 201	Leadership and Management		3	0		3	4	Monday: 18:00-20:50 / HK001
Prerequisite	Prerequisite to							
Course Lecturer	Lec. Sídika İskeleli				Office Hours Schedule		Monday: 11:00-13:50	
E-mail	siskeleli@eul.edu.tr				Office / Room No		FEAS 10	
Phone	2610							
Catalog Description	In this course, an analysis of theoretical and practical knowledge is made. In this context, basic social and psychological factors associated with the concept of leadership and current theories will be explained and how theoretical knowledge can be applied in terms of leadership and management functions in organizations will be emphasized. The aim of the course is to provide students with a deep understanding of leadership and management concepts and to develop their own leadership skills.							
Course Objectives	To provide students with a variety of learning experiences related to the theory and practice of leadership. To enable students to develop a personal leadership profile. To analyze both traditional leadership models and current leadership research findings. To examine the importance of motivation, value development, and change management in organizations.							
Learning Outcomes	1. Describe the concept of leadership and effective leadership theories 2. Distinguish between managerial processes, traits & skills 3. Recall diversity and the challenges of workforce environments 4. Identify the effective use of power & influence in organizations 5. Recognize leading change in organizations							
Programme Outcome Relations	PO1: 5 PO2: 3 PO3: PO4: PO5: PO6: PO7: 4		PO8: PO9: PO10: 3 PO11: PO12: PO13: PO14: PO15:			(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.		
Textbooks and/or References	1	Leadership in organizations / Gary Yukl and William Gardner, Pearson Education, 2020						
WEEK	Date	TOPICS					Reference No - Section	
Week 1	02.02.26	Introduction						
Week 2	09.02.26	The Nature of Leadership					Chapter 1	
Week 3	16.02.26	Leadership Behavior					Chapter 2	
Week 4	23.02.26	The Leadership Situation and Adaptive Leadership					Chapter 3	
Week 5	02.03.26	Decision Making and Empowerment by Leaders					Chapter 4	
Week 6	09.03.26	Leading Change and Innovation					Chapter 5	
Week 7	16.03.26	Leader Traits and Skills					Chapter 7	
Week 8	23.03.26	Charismatic and Transformational Leadership					Chapter 8	
Week 9	30.03.26	Revision						
Week 8	06.04.26	Mid Term Exam Week : Chapters: 1-2-3-4-5-7						
Week 9	13.04.26	Values-Based and Ethical Leadership					Chapter 9	
Week 10	20.04.26	Leadership in Teams and Decision Groups					Chapter 11	
Week 11	27.04.26	Strategic Leadership in Organizations					Chapter 12	
Week 12	04.05.26	Cross-Cultural Leadership and Diversity					Chapter 13	
Week 13	11.05.26	Developing Leadership Skills					Chapter 14	
Week 16	16 - 25 May 2026	Final Exams					All Chapters	
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)			
	Final Exam	1	16 / 25 May 2026	60	60,0			
	Semester Evaluation							
	Midterm(s)	1	14 March / 12 April 2026	40	40,0			
	Quiz(zes), Participation							
	Project(s)							
	Homework(s)							
	Laboratory							
Other								
*** Lifelong Learning Programme (LLP) ***						Language of Instruction:		English
Evaluation Tool	Quantity	Student Workload Hours		Evaluation Tool	Quantity	Student Workload Hours		
Theoretical Hours	15	45,0		Applied Hours				
Midterm	1	1,0		Final	1	1,0		
self-study MT				Self-study - Final				
self-study cases				Homework				
self-study quizzes				Seminar				
				Presentation				
				Self Study	37	74,0		
TOTAL :					60	121,0		
Recommended ECTS Credit (Total Hours / 30) :					4.03	≅ 4		



SYLLABUS

2025 -2026 Spring Semester

Course Code	Course Name	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
			T	P	L			
HSCC206	PATHOLOGY	Major	2	2	0	3	4	SATURDAY 14:00-15:50
Prerequisite		Prerequisite to						
Course Lecturer	Assoc. Prof. Hanife Özkayalar M. D.					Office Hours Schedule	Day	Time
E-mail	hanifedr@gmail.com							
Phone	0533 8643745					Office / Room No		
Teaching Assistant(s)						Phone		
E-mail						Office / Room No		
Course Description								
Course Objectives	This course is designed to enable students to acquire knowledge of pathology of various disease conditions and apply this knowledge in practice.							
Course Learning Style	Presentation, discussion							
Learning Outcomes	After studying this course, students will be able to: basic concepts of pathology. pathophysiological changes in different system disorders. normal to abnormal structure and functions of the body system. Explain pathological changes in disease condition of various system common terms used in pathology and methods of pathology					Understand the Understand the Appreciate the deviations from Define the		
Textbooks and/or References	1- ROBBINS & COLTRAN PATHOLOGIC BASIS OF DISEASES 10th edition. 2- LECTURE'S NOTE www.pathologyoutlines.com					3-		

WEEK	Date	TOPICS	Reference No - Section
Week 1		Introduction to Pathology	2nd reference
Week 2		Methods	2nd reference
Week 3		Cellular injury	t reference, chapter 2 and 2nd reference
Week 4		Death of cell: Necrosis & apoptosis	t reference, chapter 2 and 2nd reference
Week 5		Intracellular accumulation & cellular adaptation	1st reference, chapter 2 and 2nd reference
Week 6		INFLAMMATION: ACUTE	t reference, chapter 3 and 2nd reference
Week 7		Review	
Week 8		Mid-term exam	
Week 9		INFLAMMATION:CHRONIC	t reference, chapter 3 and 2nd reference
Week 10		WOUND HEALING: REGENERATION & FIBROSIS	t reference, chapter 3 and 2nd reference
Week 11		HEMODYNAMIC DISORDERS	t reference, chapter 4 and 2nd reference
Week 12		NEOPLASIA	t reference, chapter 6 and 2nd reference
Week 13		REVIEW	
Week 14		Final Exam week	
Week 15			

Evaluation Tool	Quantity	Date	Weight in Total (%)	Contribution to Mid-Semester Evaluation Grade (%)
Final Exam	1		60	60%
Midterm(s)	1		40	0,4
Quiz(zes)				
Project(s)				
Homework(s)				0,0
Laboratory				
Presentation				

*** Lifelong Learning Programme (LLP) ***			Lang. of Instruction:		English
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours
Theoretical Hours	14	28,0	Applied Hours		
Midterm	1	2,0	Final	1	2,0
Quiz			Project		
Laboratory			Homework		
Atelier			Seminar		
Field Study			Presentation		
Exam Preparations	5	30,0	Self Study	14	42,0
TOTAL:					118,0
Recommended ECTS Credit (Total Hours / 30) : 4					



EUROPEAN UNIVERSITY OF LEFKE- "Faculty of Health Sciences"

"Physiotherapy and Rehabilitation"

SYLLABUS

2025 -2026 FALL Semester

Course Code	Course Name	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
			T	P	L			
PTR 108	PSYCHOSOCIAL REHABILITATION AND ETHICS	Major	3	0	0	3	5	Wednesday. 09:00-11:50
Prerequisite	Prerequisite to							
Course Lecturer	Lecturer Fahriye ÇOBAN					Office Hours Schedule	Day	Time
E-mail	fcoban@eul.edu.tr						Thursday	09:00-10:50
Phone	2565					Office / Room No		
Teaching Assistant(s)						Phone		
E-mail						Office / Room No		
Course Description	To provide an understanding of the psychosocial picture of the individual in case of disability, disability or disorder for any reason in physical, sensory or cognitive aspects, to comprehend the situations affecting the psychosocial process and to gain skills in physiotherapy and rehabilitation practices. At the same time, to teach ethical ethics and deontology							
Course Objectives	To provide an understanding of the psychosocial picture of the individual in case of disability, disability or disorder for any reason in physical, sensory or cognitive aspects, to comprehend the situations affecting the psychosocial process and to gain the ability to direct the rehabilitation program by considering the psychosocial problems that may be encountered in physiotherapy and rehabilitation practices.							
Course Learning Style	Face to face							
Learning Outcomes	1.Understands the concepts in the field of psychosocial rehabilitation. 2.Learns the psychosocial process and adaptation stages after accidents, stress and posttraumatic stress disorder, problems seen after traumatic injuries. 3.Can recognize psychosocial rehabilitation problems in neurological diseases, problems that cause disability in children, progressive chronic diseases, geriatric people. 4.Defines the psycho-social processes in physically disabled people, families with disabled children, visually impaired and hearing-speech impaired people, considers them in physiotherapy and rehabilitation practices and directs them to the relevant specialists.							
Textbooks and/or References	1. French S. Physiotherapy a Psychosocial Approach, Butterworth Heinemann, Oxford Boston, 1998. 2. Woods ME, Hollis F. Casework: A Psychosocial Therapy, Mc-Graw-Hill Higher Education Company Press, 2000. 3. King R, Lyloyd C, Meehan T. Handbook of Psychosocial Rehabilitation, Blacwell Publishing Ltd, 2007.							
WEEK	Date	TOPICS						Reference No - Section
Week 1	02/02/2026	Introduction and basic concepts in psychosocial rehabilitation						
Week 2	09/02/2026	Psychosocial process and adaptation stages after an accident						
Week 3	16/02/2026	posttraumatic stress disorder and stress management						
Week 4	23/02/2026	Crisis, CHRONIC DISABILITIES & DISABILITY						
Week 5	02/03/2026	Disability						
Week 6	09/03/2026	Psychosocial rehabilitation in neurological diseases (hemiplegia, Parkinson's, MS)						
Week 7	16/03/2026	Psychoneuroimmunology						
Week 8	23/03/2026	Mental Problems						
Week 9	30/03/2026	Mental Problems and Physiotherapy						
Week 10	06/04/2026	Midterm Exams						
Week 11	13/04/2026	Ethical concepts, deontology in health personnel-health personnel, patient-health personnel, patient relatives-health personnel relations						
Week 12	20/04/2026	Ethical principles of physiotherapy and rehabilitation						
Week 13	27/04/2026	ICF						
Week 14	04/05/2026	Ethical problems and problem solving, malpractice						
Week 15	11/05/2026							
END OF SEMESTER EXAM WEEK	18/05/2026	Final Exam						
Evaluation Tools	Evaluation Tool	Quantity	Date			Weight in Total (%)	Contribution to Mid-Semester Evaluation Grade (%)	
	Final Exam	1				60%		
	Semester Evaluation							
	Midterm(s)	1				30%		
	Quiz(zes)							
	Project(s)							
	Homework(s)	1				10%		
	Laboratory							
Presentation								
*** Lifelong Learning Programme (LLP) ***								
						Lang. of Instruction:	English	
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool			Quantity	Student Workload Hours	
Theoretical Hours	12	36.0	Applied Hours					
Midterm	1	2.0	Final			1	2.0	
Quiz			Project					
Laboratory			Homework			1	2.0	
Atelier			Seminar					
Field Study			Presentation					
Exam Preparations	5	30.0	Self Study			14	82.0	
						TOTAL:	154.0	
Recommended ECTS Credit (Total Hours / 30) : 5								



EUROPEAN UNIVERSITY OF LEFKE

Health and Sciences Faculty

SYLLABUS

2025-2026 Spring Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
			T	A	L			
PTRH114	Hydrotherapy	Compulsory	1	0	1	2	2	Friday 14:00-16:00 AS
Prerequisite	Prerequisite to							
Course Lecturer	Assist. Prof. Dr. Necati ÖZLER					Office Hours Schedule	Monday 09.00-14.00	
E-mail	nozler@eul.edu.tr					Office / Room No		
Phone	2566					Phone		
Teaching Assistant						Office / Room No		
E-mail						Phone		
Catalogue Descriptions	This course introduces the fundamental principles and clinical applications of hydrotherapy in physiotherapy and rehabilitation. It covers the physical properties of water, including buoyancy, hydrostatic pressure, viscosity, and temperature, and their therapeutic effects on the human body. The course also explores various hydrotherapy techniques, aquatic exercise programs, and their use in the management of musculoskeletal, neurological, and cardiopulmonary conditions. Emphasis is placed on patient safety, contraindications, pool-based assessment, and evidence-based practice in aquatic environments.							
Objectives	The aim of this course is to provide students with the theoretical knowledge and practical skills necessary to safely and effectively apply hydrotherapy techniques in clinical practice. Students will be able to understand the physiological effects of water, design individualized aquatic exercise programs, and select appropriate interventions for different patient populations. Additionally, the course aims to develop clinical reasoning, ensure adherence to safety and hygiene standards, and promote the integration of evidence-based approaches in hydrotherapy applications.							
Learning Outcomes	LO1 Explain the process and effects of Hydrotherapy and balneotherapy. LO2 "Explain the physiological effects, application methods and application areas of spa therapy, pool therapy and water exercises." LO3 "Describe the physiological effects, the application methods and application areas of moist heat applications, water applications with mechanical stimulation, fluidotherapy." LO4 List training methods inside the water. LO5 Tell the in-water exercise training. LO6 Learn hydrotherapy indications and contraindications.							
Programme Outcome Relations	PO1: 1 PO2: 2 PO3: 2 PO4: 4 PO5: 3 PO6: 4		PO7: 3 PO8: 4 PO9: 1 PO10: 1 PO11: 1 PO12: 1 PO13: 1 PO14: 1 PO15: 1			(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.		
Textbooks and/or References	1 Becker, B. E. & Cole, A. J. — Clinical Aquatic Therapy 2 Brody, L. T. & Geigle, P. R. — Aquatic Exercise for Rehabilitation and Training 3 Sullivan, T. A. — Aquatic Rehabilitation							
WEEK	Date	TOPICS					Reference No - Section	
Week 1	06/02/2026	Introduction to Hydrotherapy and Aquatic Rehabilitation					1	
Week 2	13/02/2026	Physical Properties of Water (Buoyancy, Hydrostatic Pressure, Viscosity, Temperature)					1,2	
Week 3	20/02/2026	Physiological Effects of Immersion on Body Systems					1,3	
Week 4	27/02/2026	Indications and Contraindications of Hydrotherapy					1	
Week 5	06/03/2026	Safety Principles, Risk Management, and Pool Hygiene					2,3	
Week 6	13/03/2026	Patient Assessment in Aquatic Environment					2	
Week 7	20/03/2026	Principles of Aquatic Exercise Prescription					3,2	
Week 8	27/03/2026	Aquatic Therapy Techniques and Equipment Use					2	
Week 9	03/04/2026	MIDTERM					3,2	
Week 10	10/04/2026	Hydrotherapy in Musculoskeletal Disorders					1,2,3	
Week 11	17/04/2026	Hydrotherapy in Neurological Rehabilitation					3,2	
Week 12	24/04/2026	Hydrotherapy in Cardiopulmonary Rehabilitation					1	
Week 13	01/05/2026	Balance, Coordination, and Functional Training in Water					3,2	
Week 14	08/05/2026	Program Design and Case-Based Applications in Hydrotherapy					2	
Week 15	15/05/2026	Review, Case Discussions, and Practical Applications					3	
Week 15-16	22/05/2026	Final Exam						
Evaluation Tools						Weight in Semester Evaluation (%)		
	Final Exam	1				50		
	Semester Evaluation					50		
	Midterm(s)	1				50		100.0
	Quiz(zes)							
	Project(s)							
	Homework							
Laboratory works	7							
Attendance								
*** Lifelong Learning Programme (LLP) ***					Language of Instruction:			English
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours			
Theoretical lecturing hours (TLH)	14		Homework					
TLH self study	14		Project					
Quiz (Q)			Presentation					
Q preparation self study			Seminar					
Laboratory (L)	7	14	Tutorial					
L preparation work	7	40						
Midterm exam (ME)	1	1.5	Final exam (FE)	1	1.5			
ME preparation self study			FE preparation self study					
					TOTAL :	57		
					Recommended ECTS Credit (Total Hours / 30) :	1.90		



Physiotherapy and Rehabilitation

SYLLABUS
2025-2026 Spring Semester

Course Code	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
		T	A	L			
PTRH152	Anatomy for Physiotherapy	3			3		Monday 9:00-12:00
Prerequisite		Prerequisite to					
Course Lecturer	Asst. Prof. Dr. Nazemin Gilanliogullari				Office Hours Schedule		
E-mail	ngilanliogullari@eul.edu.tr				Office / Room No		2563
Phone					Phone		-
Teaching	-				Office / Room No		-
E-mail	-						
Catalogue Descriptions	To learn structures of the skeletal, muscular and nervous system in detail, how they function and result movement in body. To have knowledge about the directional terms and movements of the body.						
Objectives	This course furthers your knowledge and understanding of the human anatomy, terminology, skeletal and muscular systems.						
Learning Outcomes	After studying this course, students will be able to: LO1: Understand the directional terms, movements and terminologies that are used in anatomy LO2: To have knowledge about the structures of the musculoskeletal system LO3: To understand the structures that forms the skeletal system and how they function LO4: To understand the structures that forms the muscular system and how they function LO5: To understand the structures that forms the peripheral nervous system, which nerve innervate which muscle and how they function.						
Programme Outcome Relations	PO1: PO2: PO3: PO4: PO5: PO6: PO7:		PO8: PO9: PO10: PO11: PO12: PO13: PO14: PO15:		(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.		
Textbooks and/or References	1) Biel A. (2014). 'Trail Guide to the Body'. 5th ed. Books of Discovery. 2) Palastanga, N. and Soames, R. (2012). 'Anatomy and Human Movement: Structure and Function.' 6th ed. Elsevier: Churchill Livingstone.						
WEEK	Date	TOPICS					Reference No - Section
Week 1	02/02/2026	Introduction to Anatomy					
Week 2	09/02/2026	Introduction to Terminology					
Week 3	16/02/2026	Introduction to Skeletal System, and Cranial bones					
Week 4	23/02/2026	Bones: Spine and Thorax					
Week 5	02/03/2026	Bones: Upper limb and lower limb					
Week 6	09/03/2026	Introduction to joints, Head, Neck and Trunk joints					
Week 7	16/03/2026	Upper and Lower limb joints					
Week 8	23/03/2026	Upper and Lower limb joints					
Week 9	30/03/2026	Introduction to Muscular System and Peripheral nervous system					
Week 10	06/04/2026	MIDTERM					
Week 11	13/04/2026	Head and neck muscles and nerves					
Week 12	20/04/2026	Thoracic cage and trunk muscles and nerves					
Week 13	27/04/2026	Upper limb muscles and nerves					
Week 14	04/05/2026	Lower limb muscles and nerves					
Week 15	11/05/2026	Revision					
Week 16	18/05/2026	Final exam week					
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)		
	Final Exam	1		50			
	Semester Evaluation						
	Midterm(s)	1		40			
	Quiz(zes)						
	Project(s)						
	Homework(s)	1		10			
	Laboratory						
Other							
*** Lifelong Learning Programme (LLP) ***				Language of Instruction:		English	
Evaluation Tool	Quantity	Student Workload Hours		Evaluation Tool	Quantity	Student Workload Hours	
Theoretical Hours	2*14	28.0		Applied Hours	2*14	28.0	
Midterm	1*15	15.0		Final	1	15.0	
Quiz				Project			
Laboratory				Homework	1	10.0	

Atelier				Seminar		
Field Study				Presentation		
Other				Self Study	14*2	28.0
TOTAL :						124.0
Recommended ECTS Credit (Total Hours / 30) :						4



EUROPEAN UNIVERSITY OF LEFKE

Physiotherapy and Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Spring Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
			T	A	L			
PTRH154	PHYSIOLOGY FOR PHYSIOTHERAPY	Compulsory	2	2	0	3	6	TUESDAY 14:00-17:50
Prerequisite	Prerequisite to							
Course Lecturer	Asst. Prof. Dr. Beraat Alptuğ					Office Hours Schedule		TUESDAY 12.00-13.50
E-mail	balptug@eul.edu.tr					Office / Room No		SF011
Phone	2554					Office / Room No		SF011
Teaching Assistant						Phone		
E-mail						Office / Room No		
Catalogue Descriptions	This course provides foundational human physiology for physiotherapy, emphasizing how major body systems maintain homeostasis and respond to stress, activity, and disease. Key topics include cell physiology, nervous, cardiovascular, endocrine, respiratory, and muscle physiology, as well as pain physiology, sensory systems, immunity, and basic sports/exercise physiology. Content is linked to clinical relevance for physiotherapy assessment and intervention planning through interactive lectures and discussion.							
Objectives	By the end of this course, students will be able to: Describe core physiological concepts and terminology relevant to health sciences and physiotherapy. Explain homeostasis and integrated regulation across major body systems. Relate physiological responses to exercise, pain, and common dysfunctions to physiotherapy practice. Interpret basic physiological measures (e.g., pulse, blood pressure, ventilation/oxygenation) to support safe clinical reasoning.							
Learning Outcomes	After successfully completing this course, students will be able to: LO1. Use essential physiological and medical terminology accurately in context. LO2. Explain homeostasis and coordination of major physiological systems. LO3. Describe neuromuscular and muscle physiology, including energy metabolism and exercise responses, relevant to movement and sports. LO4. Apply physiological principles to physiotherapy-related scenarios by interpreting basic signs/parameters to support safe clinical decisions.							
Programme Outcome Relations	PO1: PO2: PO3: PO4: PO5: PO6: PO7:	PO8: PO9: PO10: PO11: PO12: PO13: PO14: PO15:	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.					
Textbooks and/or References	Hall, J. E., & Hall, M. E. (2020). Guyton and Hall textbook of medical physiology e-Book. Elsevier Health Sciences. Elaine, N. M., & Katja, H. (2013). Human Anatomy & Physiology 9th Edition. Pearson.							
WEEK	Date	TOPICS					Reference No - Section	
Week 1	03/02/2026	Introduction to Physiology						
Week 2	10/02/2026	Introduction to Physiology, haemostasis						
Week 3	17/02/2026	Cell physiology						
Week 4	24/02/2026	Nervous System Physiology						
Week 5	03/03/2026	Nervous System Physiology						
Week 6	10/03/2026	Physiology of Circulation						
Week 7	17/03/2026	Physiology of cardiovascular system (Pulse and Blood Pressure)						
Week 8	24/03/2026	Physiology of cardiovascular system (Pulse and Blood Pressure)						
Week 9	31/03/2026	Endocrine Physiology						
Week 10	04-12/04/26	Mid-term exam week						
Week 11	14/04/2026	Respiratory Physiology						
Week 12	21/04/2026	Muscle Physiology						
Week 13	28/04/2026	Muscle Physiology						
Week 14	05/05/2026	Sports Physiology, Energy and metabolism physiology						
Week 15	12/05/2026	REVISION						
Week 15-16	16-25/05/26	FINAL exam week						
Evaluation Tools	Evaluation Tool	Quantity	Date		Weight in Total (%)	Weight in Semester Evaluation (%)		
	Final Exam	1						
	Semester Evaluation							
	Midterm(s)	1						
	Quiz(zes)							
	Project(s)							
	Homework							
Laboratory works								
Attendance								
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:			English		
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours			
Theoretical lecturing hours (TLH)	14	28	Homework					
TLH self study	14	56	Project					
Quiz (Q)			Presentation					
Q preparation self study			Seminar					
Laboratory (L)			Tutorial					
L preparation work			Applied Hours (A)	14	28			
Midterm exam (ME)	1	2	Final exam (FE)	1	2			
ME preparation self study	7	28	FE preparation self study	7	28			
TOTAL :					172			
Recommended ECTS Credit (Total Hours / 30) :					5.73			



EUROPEAN UNIVERSITY OF LEFKE

COM 108 - HISTORY

SYLLABUS

2025 - 2026 SPRING SEMESTER

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
			T	A	L			
COM108/COMN108	HISTORY (For International Students)	Elective	2	0	0	2	2	Monday 20:00 - 20:50
Prerequisite	Prerequisite to							
Course Lecturer	Assoc. Prof. Dr. Elnur AĞAYEV					Office Hours Schedule	Monday: 09:00-12:00	
E-mail	eagayev@eul.edu.tr							
Phone						Office / Room No.		
Teaching Assistant						Phone		
E-mail						Office / Room No.	AS225	
Catalogue Descriptions	The course provides a detailed exposure on the history of the construction of the Turkish Republic under the light of Kemal Atatürk's principles this course is designed for Turkish speaking students. COM108 is designed for non-Turkish speaking foreign students. The aim of the course is to introduce a brief history of Turkish Republic and Cyprus. Social, economic and political aspects and effects of Western Civilization on Turkey and Cyprus. Relations with Middle East.							
Objectives	In this course the students who have been studying at different departments of our university will learn how the Ottoman Empire collapsed and a new Turkish Republic was founded in the early 20 th. century. At the same time the students will learn the Eastern Question, Armenian Question and Cyprus Question which were created by different policy powers in the historical period. By the end of the semester the students will be able to understand why Mustafa Kemal is an important figure in the history of Turkey and the world. Besides, they will learn the Turkish Revolution and the establishment philosophy of the Turkish Republic and the principles of Mustafa Kemal							
Learning Outcomes	On successful completion of this course, all students will have developed knowledge and understanding of: 1. Analyzes the developments after World War I and the attitude of Mustafa Kemal and his friends in the face of these developments. 2. Understanding the Turkish Foreign Policy of the Atatürk Era. 3. They will have basic information about the political developments in Turkey and the world during and after the Second World War. 4. To have general information about the History of Cyprus.							
Programme Outcome Relations	PO1: 3 PO2: PO3: PO4: PO5: PO6: PO7:	PO8: PO9: PO10: PO11: PO12: PO13: PO14: PO15:	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.					
Textbooks and/or References	1 Lewis, Bernard, The Emergence of Modern Turkey , London, 1967. 2 Kinross, Patrick, Atatürk The Rebirth of a Nation , A Phoenix Giant Paperback Publishing, London, 1998. 3 Luke, Harry, Cyprus Under The Turks 4 COM108 History lecture notes/slides 5 Denktaş, Rauf R, The Cyprus Triangle , The Office of the Turkish Republic of Northern Cyprus, New York, 1988.							
WEEK	Date	TOPICS					Reference No - Section	
Week 1	02.02.2026	Introduction of the Bibliography						
Week 2	09.02.2026	The First World War and the Ottoman Empire						
Week 3	16.02.2026	The First World War and the Ottoman Empire						
Week 4	23.02.2026	The Turkish War of Independence and Turkish Victory (First Phase)						
Week 5	02.03.2026	The Turkish War of Independence and Turkish Victory (First Phase)						
Week 6	09.03.2026	The Turkish War of Independence and Turkish Victory (Second Phase)						
Week 7	16.03.2026	Lausanne Agreement and Proclamation of the Republic of Turkey						
Week 8	23.03.2026	Midterm Exam						
Week 9	30.03.2026	The Strategic Importance of Cyprus						
Week 10	06.04.2026	Cyprus Under the Ottoman Rule						
Week 11	13.04.2026	National Struggle of Turkish Cypriots						
Week 12	20.04.2026	National Struggle of Turkish Cypriots						
Week 13	27.04.2026	Cyprus Question						
Week 14	04.05.2026	Cyprus Question						
Week 15	11.05.2026	Revision						
Week 16	16-25.05.2026	Final Exam						
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)			
	Final Exam	1		60	50,0			
	Semester Evaluation							
	Midterm(s)	1		40	50,0			
	Quiz(ze)s							
	Project(s)							
	Homework(s)							
Laboratory work(s)								
Attendance								
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:					English
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours			
Theoretical lecturing hours (TLH)	14	28	Homework					
TLH self study	7	21	Project					
Quiz (Q)			Presentation					
Q preparation self study			Seminar					
Laboratory (L)			Tutorial					
L preparation work								
Midterm exam (ME)	1	1	Final exam (FE)	1	1			
ME preparation self study	2	6	FE preparation self study	2	6			
				TOTAL :	63			
				Recommended ECTS Credit (Total Hours / 30) :	2,00			

EUROPEAN UNIVERSITY OF LEFKE



COM 106 - TURKISH

SYLLABUS

2025 - 2026 SPRING SEMESTER

Course Code	Course Name	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
			T	A	L			
COM106	TURKISH (For International Students)	Elective	2	0	0	2	2	Monday 19:00 - 19:50
Prerequisite	Prerequisite to							
Course Lecturer	Assoc. Prof. Dr. Elnur Ağayev					Office Hours Schedule	Monday: 09:00-12:00	
E-mail	eagayev@eul.edu.tr						Office / Room No	AS225
Phone						Phone		
Teaching Assistant(s)	-						Office / Room No	
E-mail	-							
Catalogue Descriptions	Basic structure and sound features of Turkish, Turkish pronunciation, vowel harmony, Turkish sentence structure, frequently used words in Turkish, types of dialogue, English-Turkish translation studies, Turkish text reading exercises.							
Course Objectives	For students whose mother tongue is not Turkish, to make them comprehend the basic features of Turkish and to enable students to use Turkish at a basic level in oral and written form through frequently used vocabulary/dialogue studies.							
Learning Outcomes	1. Comprehends the basic phonetic and structural features of Turkish 2. Applies the pronunciation features of Turkish 3. Acquires the basic vocabulary of Turkish 4. Develops Turkish text reading skills 5. Can use Turkish dialogues that are frequently used in daily life.							
Programme Outcome Relations	PO1: 2 PO2: PO3: PO4: PO5: PO6: PO7:	PO8: PO9: PO10: PO11: PO12: PO13: PO14: PO15:	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.					
Textbooks and/or References	1 Birsen Çankaya ve diğerleri. Easy Turkish Course. İstanbul: Fono Yayınları, 2006. 2 Kurtuluş Öztöçü. Elementary Turkish. İstanbul, 2006. 3 COM106 Turkish lecture notes/slides 4 Doğan Günay, Özdan Fidan ve diğerleri, Yabancılar İçin Türkçe Ders Kitabı + Alıştırma Kitabı, Papatya Yay., Ankara: 2013.							
WEEK	Date	TOPICS						Reference No - Section
Week 1	02.02.2026	Turkish alphabet, translation exercises examples, Turkish sounds						
Week 2	09.02.2026	Turkish sentence structure, translation exercises, vocabulary examples						
Week 3	16.02.2026	Frequently used expressions, daily language sentences 1, translation exercises						
Week 4	23.02.2026	Days, colours, numbers, months, seasons, adjectives, Frequently used verbs 1						
Week 5	02.03.2026	Turkish alphabet and its pronunciation, this/that (bu/şu/o)						
Week 6	09.03.2026	Plural suffix (-lar/-ler), interrogative particle						
Week 7	16.03.2026	How many, how much (kaç?), ordinal numbers (kaçıncı?), Frequently used verbs 2						
Week 8	23.03.2026	Midterm Exam						
Week 9	30.03.2026	There is/isn't (var/yok) cont., opposite adjectives, translation exercises, vocabulary						
Week 10	06.04.2026	Present continuous, daily routine, free time activities						
Week 11	13.04.2026	Reading practice, want to (-mak istemek), my family, possessive suffixes						
Week 12	20.04.2026	Countries, nationalities, languages, away from my family, kendi+possessive pronoun						
Week 13	27.04.2026	Hours, special days, translation exercises, reading practice						
Week 14	04.05.2026	Our body, permission and request sentences, revision						
Week 14	11.05.2026	Revision						
Week 14	16-25.05.2026	Final Exam						
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)			
	Final Exam	1		60				
	Semester Evaluation							
	Midterm(s)	1		40				
	Quiz(zes)							
	Project(s)							
	Homework(s)							
Laboratory								
Other								
*** Lifelong Learning Programme (LLP) ***						Language of Instruction:		
Evaluation Tool	Quantity	Student Workload Hours		Evaluation Tool	Quantity	Student Workload Hours		
Theoretical Hours	14	28,0		Applied Hours				
Midterm	1	1,0		Final	1	1,0		
Midterm Study	2	6,0		Final Study	2	6,0		
Laboratory				Homework				
Atelier				Seminar				
Field Study				Presentation				
Other				Self Study	7	21,0		

	TOTAL :	63	2,0
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EUROPEAN UNIVERSITY OF LEFKE

Health and Sciences Faculty

SYLLABUS

2025-2026 Spring Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule	
			T	A	L				
PTRH202	PRINCIPLES OF TREATMENT EXERCISE	Compulsory	2	0	2	4	2	Friday 14:00-16:50 LAB	
Prerequisite	Prerequisite to								
Course Lecturer	Assist. Prof. Dr. Necati ÖZLER					Office Hours Schedule	Monday 09.00-14.00		
E-mail	nozler@eul.edu.tr								
Phone	2566					Office / Room No			
Teaching Assistant						Phone			
E-mail						Office / Room No			
Catalogue Descriptions	Planning the exercise program, active assistive, passive and resistance exercises, posture exercises for lordosis-kyphosis-scoliosis-round back-shoulder and lower limbs, stretching exercises, progressive resistance exercises, relaxation exercises, special exercises, planning the home program, traction, practice areas and methods.								
Objectives	Evaluation, classification of exercises and preparation of the exercise program in order to prepare an exercise program. Joint range of motion exercises, stretching exercises, balance exercises, resistance exercises, exercises for peripheral vascular diseases and stabilization exercises. Evaluation for exercise, classification of exercises and preparation of exercise prescription, stretching exercises, exercises for flexibility, exercises for strengthening and relaxation exercises will be discussed. Planning the exercise program, active-passive-active assistive and resistant exercises, stretching exercises, lordosis-kyphosis-scoliosis-round posture exercises for the back-shoulders and lower extremities, progressive resistant exercises, regional isometric exercises, relaxation exercises, home program planning, traction , usage areas and methods will be discussed. Upon completion of this course, the student will have learned how to prepare exercise prescriptions and exercises for stretching, relaxation, flexibility and strengthening using various methods.								
Learning Outcomes	LO1 Explain the principles, indications, contraindications, and physiological effects of therapeutic exercises. LO2 Perform clinical assessments to determine appropriate therapeutic exercise interventions. LO3 Design and implement individualized therapeutic exercise programs according to patient needs and functional status. LO4 Evaluate patient progress and modify therapeutic exercise programs using evidence-based approaches.								
Programme Outcome Relations	PO1: 1 PO2: 2 PO3: 2 PO4: 4 PO5: 1 PO6: 5		PO7: 1 PO8: 5 PO9: 1 PO10: 1 PO11: 1 PO12: 1 PO13: 1 PO14: 2 PO15: 1			(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.			
Textbooks and/or References	1 Pulmonary Rehabilitation Editor: Richard Casaburi, Thomas L. Petty 2 Clinical Exercise Testing Editor: Paul D. Wagner 3 Cardiopulmonary Physical Therapy Editor: Ellen Hillegass								
WEEK	Date	TOPICS					Reference No - Section		
Week 1	06/02/2026	Introduction to principles of treatment exercise					1		
Week 2	13/02/2026	Purposes of exercise					1,2		
Week 3	20/02/2026	Exercise classifications, General principles of exercise prescription					1,3		
Week 4	27/02/2026	Passive normal range of motion					1		
Week 5	06/03/2026	Active assisted and active ROM					2,3		
Week 6	13/03/2026	Resistant exercises, Muscle strengthening methods					2		
Week 7	20/03/2026	Mechanical and Isometric exercises, Theraband					3,2		
Week 8	27/03/2026	Dumbles and Sand Bag App.					2		
Week 9	03/04/2026	MIDTERM					3,2		
Week 10	10/04/2026	Stretching, Relaxation, Group exercises					1,2,3		
Week 11	17/04/2026	Calistanic exercises and Tai-chi					3,2		
Week 12	24/04/2026	Closed and open kinetic chain exercises and plyometric exercises					1		
Week 13	01/05/2026	Postural exercises 1					3,2		
Week 14	08/05/2026	Postural exercises 2					2		
Week 15	15/05/2026	Spinal Stabilization exercises					3		
Week 15-16	22/05/2026	Final Exam							
Evaluation Tools						Weight in Semester Evaluation (%)			
	Final Exam	1				50			
	Semester Evaluation					50			
	Midterm(s)	1				50		100.0	
	Quiz(zes)								
	Project(s)								
	Homework								
Laboratory works	7								
Attendance									
*** Lifelong Learning Programme (LLP) ***					Language of Instruction:			English	
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours				
Theoretical lecturing hours (TLH)	14		Homework						
TLH self study	14		Project						
Quiz (Q)			Presentation						
Q preparation self study			Seminar						
Laboratory (L)	7	14	Tutorial						
L preparation work	7	40							
Midterm exam (ME)	1	1.5	Final exam (FE)	1	1.5				
ME preparation self study			FE preparation self study						
					TOTAL :	57			
					Recommended ECTS Credit (Total Hours / 30) :	1.90			



EUROPEAN UNIVERSITY OF LEFKE

Physiotherapy and Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Spring Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule	
			T	A	L				
PTRH204	MANIPULATION AND MOBILIZATION	Compulsory	2	2	0	3	4	Wednesday 09:00-12:50	
Prerequisite	Prerequisite to								
Course Lecturer	Asst. Prof. Dr. Beraat Alptuğ					Office Hours Schedule		TUESDAY 12.00-13.50	
E-mail	balptug@eul.edu.tr					Office / Room No		SF011	
Phone	2554					Phone			
Teaching Assistant						Office / Room No			
E-mail						Phone			
Catalogue Descriptions	This course covers functional anatomy, biomechanics and pathomechanics of the spine and peripheral joints, with an emphasis on clinical assessment and safe application of joint mobilization and soft-tissue techniques. Manipulation is addressed at an informational/theoretical level. The course integrates evidence-informed decision making through demonstrations, skills-lab practice, and case discussions.								
Objectives	By the end of this course, students will be able to: Relate joint and soft-tissue structure–function to common movement dysfunctions. Conduct a structured, safety-focused assessment for manual therapy. Select appropriate mobilization and soft-tissue interventions based on clinical findings. Demonstrate correct handling, positioning, and dosing of selected mobilization and soft-tissue techniques in lab practice.								
Learning Outcomes	After studying this course, students will be able to: LO1- Describe functional anatomy of the vertebral column and peripheral joints. LO2. Describe the rationale and mechanisms of joint mobilization and soft-tissue techniques, and summarize manipulation principles at an informational level. LO3. Perform safe and systematic assessment of joint and soft-tissue dysfunctions, identifying indications/contraindications and red flags. LO4. Apply selected joint mobilization and soft-tissue techniques for the upper extremity, lower extremity, and spine in skills-lab practice, and justify technique selection using clinical reasoning and case discussion.								
Programme Outcome Relations	PO1: PO2: PO3: PO4: PO5: PO6: PO7:	PO8: PO9: PO10: PO11: PO12: PO13: PO14: PO15:	(1) Strongly disagree; Neither agree nor disagree; Strongly agree.					(2) Disagree; (4) Agree;	(3) (5)
Textbooks and/or References	Kisner, C., Colby, L. A., & Borstad, J. (2017). Therapeutic exercise: Foundations and techniques. Fa Davis. Edmond, S. L. (1993). Manipulation and mobilization: extremity and spinal techniques. Mosby. Hoogenboom, B. J., Voight, M. L., & Prentice, W. E. (2014). Musculoskeletal Interventions 3/E. McGraw Hill Professional.								
WEEK	Date	TOPICS					Reference No - Section		
Week 1	04/02/2026	Introduction to Manipulation and mobilization II							
Week 2	11/02/2026	General Concepts of Joint mobilization/manipulation I							
Week 3	18/02/2026	General Concepts of Joint mobilization/manipulation II							
Week 4	25/02/2026	Upper extremity manipulation and mobilization information I							
Week 5	04/03/2026	Upper extremity manipulation and mobilization information II							
Week 6	11/03/2026	Upper extremity manipulation and mobilization information III							
Week 7	18/03/2026	Lower extremity manipulation and mobilization information I							
Week 8	25/03/2026	Lower extremity manipulation and mobilization information II							
Week 9	01/04/2026	Lower extremity manipulation and mobilization information III							
Week 10	04-12/04/26	Mid-term exam week							
Week 11	15/04/2026	Spinal manipulation and mobilization I							
Week 12	22/04/2026	Spinal manipulation and mobilization II							
Week 13	29/04/2026	Spinal manipulation and mobilization III							
Week 14	06/05/2026	Practical revision							
Week 15	13/05/2026	Practical revision							
Week 15-16	16-25/05/26	Final Exam Week							
Evaluation Tools	Evaluation Tool	Quantity	Date		Weight in Total (%)	Weight in Semester Evaluation (%)			
	Final Exam	1							
	Semester Evaluation								
	Midterm(s)	1							
	Quiz(zes)								
	Project(s)								
	Homework								
Laboratory works									
Attendance									
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:			English			
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours				
Theoretical lecturing hours (TLH)	14	28	Homework						
TLH self study	14	28	Project						
Quiz (Q)			Presentation						
Q preparation self study			Seminar						
Laboratory (L)			Tutorial						
L preparation work			Applied Hours (A)	14	28				
Midterm exam (ME)	1	2	Final exam (FE)	1	2				
ME preparation self study	5	18	FE preparation self study	5	15				
TOTAL :					121				
Recommended ECTS Credit (Total Hours / 30) :					4.03				



EUROPEAN UNIVERSITY OF LEFKE

Health and Sciences Faculty

SYLLABUS

2025-2026 Spring Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
			T	A	L			
PTR208	Exercises Physiology	Compulsory	3	0	0	3	2	Thursday 14:00-17:00 LAB
Prerequisite	Prerequisite to							
Course Lecturer	Assist. Prof. Dr. Necati ÖZLER					Office Hours Schedule	Monday 09.00-14.00	
E-mail	nozler@eul.edu.tr							
Phone	2566					Office / Room No		
Teaching Assistant						Phone		
E-mail						Office / Room No		
Catalogue Descriptions	This course provides a comprehensive understanding of the physiological responses and adaptations to exercise in healthy individuals and clinical populations. It covers energy systems, cardiovascular and respiratory responses, neuromuscular adaptations, and hormonal regulation during physical activity. The course also introduces the principles of therapeutic exercise, including strength, endurance, flexibility, and aerobic training. Emphasis is placed on applying exercise physiology concepts to design safe, effective, and evidence-based exercise programs in physiotherapy practice.							
Objectives	The aim of this course is to equip students with the knowledge and practical skills necessary to understand the body's responses to exercise and to apply this knowledge in clinical settings. Students will be able to analyze physiological mechanisms, design individualized exercise programs, and select appropriate exercise interventions for different populations. The course also aims to enhance clinical reasoning, promote safe exercise prescription, and support evidence-based physiotherapy practice.							
Learning Outcomes	LO1 Explain the physiological responses and adaptations of the cardiovascular, respiratory, and musculoskeletal systems to acute and chronic exercise. LO2 Assess exercise capacity and interpret physiological parameters such as VO ₂ max, heart rate, blood pressure, and lactate levels. LO3 Design safe and individualized exercise programs based on physiological principles and patient characteristics. LO4 Evaluate the role of exercise in the prevention and management of chronic diseases using evidence-based approaches.							
Programme Outcome Relations	PO1: 1 PO2: 2 PO3: 1 PO4: 4 PO5: 4 PO6: 5		PO7: 5 PO8: 4 PO9: 5 PO10: 4 PO11: 1 PO12: 1 PO13: 1 PO14: 1 PO15: 1			(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.		
Textbooks and/or References	1 ACSM's Guidelines for Exercise Testing and Prescription — American College of Sports Medicine (ACSM), 2021 2 Physiology of Sport and Exercise — Kenney, W. L., Wilmore, J. H., & Costill, D. L., 2020 3 Therapeutic Exercise: Foundations and Techniques — Kisner, C. & Colby, L. A., 2017							
WEEK	Date	TOPICS					Reference No - Section	
Week 1	05/02/2026	Introduction to Exercise Physiology and Basic Concepts					1	
Week 2	12/02/2026	Energy Systems and Bioenergetics					1.2	
Week 3	19/02/2026	Neuromuscular Responses and Adaptations to Exercise					1,3	
Week 4	26/02/2026	Cardiovascular Responses to Acute and Chronic Exercise					1	
Week 5	05/03/2026	Respiratory System Responses to Exercise					2,3	
Week 6	12/03/2026	Hormonal Responses and Metabolic Regulation					2	
Week 7	19/03/2026	Muscle Fiber Types and Training Adaptations					3,2	
Week 8	26/03/2026	Principles of Exercise Prescription (FITT Principle)					2	
Week 9	02/04/2026	MIDTERM					3,2	
Week 10	09/04/2026	Aerobic Exercise Training					1,2,3	
Week 11	16/04/2026	Resistance Training and Strength Development					3,2	
Week 12	23/04/2026	Flexibility and Stretching Techniques					1	
Week 13	30/04/2026	Exercise in Special Populations (Elderly, Children, Chronic Diseases)					3,2	
Week 14	07/05/2026	Fatigue, Recovery, and Overtraining					2	
Week 15	14/05/2026	Case Studies, Program Design, and Review					3	
Week 15-16	21/05/2026	Final Exam						
Evaluation Tools						Weight in Semester Evaluation (%)		
	Final Exam	1				50		
	Semester Evaluation					50		
	Midterm(s)	1				50		100.0
	Quiz(zes)							
	Project(s)							
	Homework							
Laboratory works	7							
Attendance								
*** Lifelong Learning Programme (LLP) ***					Language of Instruction:			English
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours			
Theoretical lecturing hours (TLH)	14		Homework					
TLH self study	14		Project					
Quiz (Q)			Presentation					
Q preparation self study			Seminar					
Laboratory (L)	7	14	Tutorial					
L preparation work	7	40						
Midterm exam (ME)	1	1.5	Final exam (FE)	1	1.5			
ME preparation self study			FE preparation self study					
					TOTAL :		57	
					Recommended ECTS Credit (Total Hours / 30) :		1.90	



EUROPEAN UNIVERSITY OF LEFKE

Physiotherapy and Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Spring Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
			T	A	L			
PTRH210	ELECTROTHERAPY II	Compulsory	2	2	0	3	4	MONDAY 09:00-12:50
Prerequisite	Prerequisite to							
Course Lecturer	Asst. Prof. Dr. Beraat Alptuğ					Office Hours Schedule		TUESDAY 12.00-13.50
E-mail	balptug@eul.edu.tr					Office / Room No		SF011
Phone	2554					Office / Room No		SF011
Teaching Assistant						Phone		
E-mail						Office / Room No		
Catalogue Descriptions	This course introduces commonly used electrotherapy modalities in physiotherapy, focusing on indications, contraindications, safety, and evidence-informed clinical decision making. Topics include electrical stimulation applications, high-frequency currents and diathermy, ultrasound, biofeedback, magnetotherapy, and related technologies. The course integrates core biophysical principles with practical parameter selection, treatment application, and outcome monitoring in skills-lab sessions.							
Objectives	By the end of this course, students will be able to: Explain key biophysical/thermal principles underlying electrotherapy modalities used in physiotherapy. Perform safe modality selection by considering indications, contraindications, precautions, and patient-specific risk factors. Choose appropriate parameters and apply selected electrotherapy interventions in lab practice according to standards and safety procedures. Use evidence-informed reasoning to justify modality use and monitor treatment response/outcomes.							
Learning Outcomes	After successfully completing this course, students will be able to: LO1. Explain the mechanisms and expected physiological effects of major electrotherapy modalities (electrical stimulation, high-frequency currents/diathermy, ultrasound, biofeedback, magnetotherapy). LO2. Identify indications, contraindications, precautions, and safety requirements for electrotherapy applications. LO3. Select treatment parameters and correctly apply selected modalities in skills-lab practice. LO4. Justify modality selection using evidence-informed clinical reasoning and evaluate patient response with basic outcome measures and reassessment.							
Programme Outcome Relations	PO1: PO2: PO3: PO4: PO5: PO6: PO7:	PO8: PO9: PO10: PO11: PO12: PO13: PO14: PO15:	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.					
Textbooks and/or References	Kahn, Joseph "Principles and practice of electrotherapy" New York, 1991. Shelia Kitchen "Electrotherapy : evidence-based practice"Edinburg, 2002. John Low, Ann Reed "Electrotherapy explained : principles and practice" Oxford, 2004. Theresa Nalty."Electrotherapy clinical procedures manual" New York, 2001. Steven L. Wolf, "Electrotherapy" New York,1981. Nihal Şimşek ve ark., "Elektroterapide Temel Prensipler ve Klinik Uygulama" Ankara, 2015.							
WEEK	Date	TOPICS					Reference No - Section	
Week 1	02/02/2026	Introduction to Electrotherapy II						
Week 2	09/02/2026	Electric Stimulation, Neuromuscular electrical stimulation						
Week 3	16/02/2026	Stimulation of healthy and denervated muscle						
Week 4	23/02/2026	Russian currents, Ultra-Reiz current and practice & Russian technique						
Week 5	02/03/2026	HVPGC and HVPGC practic & Electric Shock						
Week 6	09/03/2026	Functional electrical stimulation, Extracorporeal shockwave therapy						
Week 7	16/03/2026	MENS and MENS practice						
Week 8	23/03/2026	Biofeedback						
Week 9	30/03/2026	Practical revision						
Week 10	04-12/04/26	Mid-term exam week						
Week 11	13/04/2026	Fundamentals of high frequency currents, SWD, PSWD						
Week 12	20/04/2026	Microwave diathermy						
Week 13	27/04/2026	Ultrasound						
Week 14	04/05/2026	Magnetotherapy & Environmental electrostatic contamination						
Week 15	11/05/2026	Practical revision						
Week 15-16	16-25/05/26	Final Exam Week						
Evaluation Tools	Evaluation Tool	Quantity	Date		Weight in Total (%)	Weight in Semester Evaluation (%)		
	Final Exam	1						
	Semester Evaluation							
	Midterm(s)	1						
	Quiz(zes)							
	Project(s)							
	Homework							
Laboratory works								
Attendance								
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:			English		
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours			
Theoretical lecturing hours (TLH)	14	28	Homework					
TLH self study	14	28	Project					
Quiz (Q)			Presentation					
Q preparation self study			Seminar					
Laboratory (L)			Tutorial					
L preparation work			Applied Hours (A)	14	28			
Midterm exam (ME)	1	2	Final exam (FE)	1	2			
ME preparation self study	5	10	FE preparation self study	5	15			
TOTAL :					113			
Recommended ECTS Credit (Total Hours / 30) :					3.77			



Course Code	Course Name	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule		
			T	P	L					
PTR 222	Geriatric Physiotherapy and Rehabilitation	Major	2	0	0	2	3	Monday, 14:00-15:50		
Prerequisite	Prerequisite to									
Course Lecturer	Asst.Prof.Dr. Fahriye ÇOBAN, Asst.Prof.Dr. Nazemin Gilanloğulları					Office Hours Schedule		Day	Time	
E-mail	fcoban@eul.edu.tr					Friday		15:00-16:50		
Phone	2565					Office / Room No		p		
Teaching Assistant(s)						Phone				
E-mail						Office / Room No				
Course Description	To give information about the definition of geriatric rehabilitation and the team members involved in geriatric rehabilitation.									
Course Objectives	To give information about the definition of geriatric rehabilitation and the team members involved in geriatric rehabilitation, to explain the normal physiological aging process and the resulting physiological changes, to describe geriatric syndromes in the elderly and to give information about chronic diseases common in the elderly; To ensure the understanding of the applications related to the evaluation and exercise programs necessary for healthy and disabled elderly people, to raise the awareness of the students about healthy aging and increasing the quality of life in the elderly.									
Course Learning Style	Face to face									
Learning Outcomes	<ul style="list-style-type: none"> - Gains knowledge of the content of geriatric rehabilitation and the team members involved in rehabilitation. - Explain the normal physiological aging process and the physiological changes that occur with aging. - Define the geriatric syndromes seen in the elderly and have information about the chronic diseases common in the elderly. - Describes the clinical features observed in healthy and sick elderly individuals and associates them with appropriate physiotherapy and rehabilitation approaches. - Learn about the physiological responses of geriatric patients in various diseases. - Gains experience in evaluating geriatric patients, defining and interpreting their problems. - Have skills in choosing and planning the appropriate treatment approach or program. - Recognizes the other healthcare team providing elderly care in various diseases seen in geriatrics and gains awareness of the multidisciplinary working principle. 									
Textbooks and/or References	<ol style="list-style-type: none"> Christine C; Riesenber DE, Sorensen LB; Walsh JR. "Geriatric medicine". NewYork, 1990. Abrams, William B.; Beers, Mark H.; Berkow, Robert. "The Merck manual of geriatrics", Whitehouse Station, 1995 Porter SB. Tidy's Physiotherapy, 15th Edition, Elsevier Ltd.,2013. Springer- Verlag Com. Heidelberg, 2012, Ss. 1131-1145. Braddom RL, Buschbacher RM. ?Physical Medicine and Rehabilitation?, 2nd ed., Philadelphia : Saunders, 2000. Wells JL, Seabrook JA, Stolee P, Borrie MJ, Knoefel F. State of the art in geriatric rehabilitation. Part I: Review of frailty and comprehensive geriatric assessment.Arch Phys Med Rehabil 2003;84:890-7. 									
WEEK	Date	TOPICS						Reference No - Section		
Week 1	02/02/2026	General information about the course, informing about the course process								
Week 2	09/02/2026	Geriatric Physiotherapy and Rehabilitation								
Week 3	16/02/2026	Age-Related Physiological Changes Muscle								
Week 4	23/02/2026	Aging of the Cardiovascular System								
Week 5	02/03/2026	Aging of the Pulmonary System								
Week 6	09/03/2026	Aging of the Nervous System								
Week 7	16/03/2026	Aging of the Other System								
Week 8	23/03/2026	Dementia, Alzheimer's disease & Depression								
Week 9	30/03/2026	Geriatric Palliative Care								
Week 10	06/04/2026	Midterm(s)								
Week 11	13/04/2026	Aging of the Cardiovascular and Pulmonary System								
Week 12	20/04/2026	Fall in Elderly								
Week 13	27/04/2026	Exercise Prescription for the Older Adult & Home-Based Physiotherapy								
Week 14	04/05/2026	Geriatric Syndromes								
Week 15	11/05/2026	Geriatric Assessment								
END OF SEMESTER EXAM WEEK	18/05/2026	Final Exam								
Evaluation Tools	Evaluation Tool	Quantity	Date			Weight in Total (%)	Contribution to Mid-Semester Evaluation Grade (%)			
	Final Exam	1				60%				
	Semester Evaluation									
	Midterm(s)	1				40%				
	Quiz(ze)s									
	Project(s)									
	Homework(s)									
	Laboratory									
Presentation										
*** Lifelong Learning Programme (LLP) ***										
					Lang. of Instruction:		English			
Evaluation Tool	Quantity	Student Workload Hours		Evaluation Tool	Quantity	Student Workload Hours				
Theoretical Hours	14	28.0		Applied Hours						
Midterm	1	2.0		Final	1	2.0				
Quiz				Project						
Laboratory				Homework						
Atelier				Seminar						
Field Study				Presentation						
Exam Preparations	5	30.0		Self Study	14	84.0				
					TOTAL:			148.0		
Recommended ECTS Credit (Total Hours / 30) : 5										



SYLLABUS

2025 -2026 Spring Semester

Course Code	Course Name	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
			T	P	L			
PTR 250	Clinical Sciences	Major	2	0	0	2	3	Monday, 14:00-15:50
Prerequisite		Prerequisite to						
Course Lecturer	Asst.Prof.Dr. Fahriye ÇOBAN, Asst.Prof.Dr. Nazemin Gilanlioğulları					Office Hours Schedule	Day	Time
E-mail	fcoban@eul.edu.tr						Friday	15:00-16:50
Phone	2565					Office / Room No	p	
Teaching Assistant(s)						Phone		
E-mail						Office / Room No		
Course Description	This module will examine common problems encountered in the fields of orthopaedics, neurosurgery, and obstetrics and gynaecology, as well as the anatomy, assessment and treatment options for these conditions.							
Course Objectives	The aim of the course is to provide students with a basic theoretical understanding of common conditions in the fields of orthopaedics, neurosurgery, and obstetrics and gynaecology, and to teach them the fundamentals of assessment and treatment options for these conditions.							
Course Learning Style	Face to face							
Learning Outcomes	LO1. Understanding medical and technical terms LO2. Understanding the physiology and mechanisms of bone metabolism and trauma LO3. To understand the mechanisms and symptoms of soft tissue injuries LO4. To be able to understand the differences between the main diseases in the fields of rheumatology, pathology and neurology LO5. To understand general and fundamental conditions such as obesity, diabetes and geriatrics							
Textbooks and/or References	1. Prof.Dr. Mehmet Çakmak. Ortopedi. 1. Baskı.Nobel Tıp Kitabevi, 1998. 2. Rengachary SS, Ellenbogen RG: Principles of Neurosurgery. Elsevier Mosby Saunders,2005. 3. Kaye AH: Essential Neurosurgery. Blackwell Publishing. 2005. 4. Hopkins J, editör: Oral E. Jinekoloji ve Obstetri El Kitabı. 4. baskı. Ankara: Güneş Tıp Kitabevi,2012. 5. Çiçek NM, Akyürek C, Çelik Ç, Haberal A. Kadın Hastalıkları ve Doğum Bilgisi. 3. baskı.Ankara:Atlas Kitapçılık,2012.							
WEEK	Date	TOPICS						Reference No - Section
Week 1	05/02/2026	Introduction to Clinical Sciences						
Week 2	12/02/2026	Terminology in Orthopaedics and Traumatology 1						
Week 3	19/02/2026	Terminology in Orthopaedics and Traumatology 2						
Week 4	26/02/2026	Soft Tissue Injuries 1						
Week 5	05/03/2026	Soft Tissue Injuries 2						
Week 6	12/03/2026	Bone Metabolism and Fracture						
Week 7	19/03/2026	Metabolic Bone Disorders						
Week 8	26/03/2026	Geriatrics and Syndromes						
Week 9	02/04/2026	Osteoarthritis						
Week 10	09/04/2026	Midterm(s)						
Week 11	14/04/2026	CEREBROVASCULAR DISEASES						
Week 12	21/04/2026	Metabolic Syndrome						
Week 13	28/04/2026	Obstructive and Restrictive Lung Disease						
Week 14	05/05/2026	CARDIOVASCULAR SYSTEM DISEASES						
Week 15	12/05/2026	General review						
END OF SEMESTER EXAM WEEK	21/05/2026	Final Exam						
Evaluation Tools	Evaluation Tool	Quantity	Date			Weight in Total (%)	Contribution to Mid-Semester Evaluation Grade (%)	
	Final Exam	1				60%		
	Semester Evaluation							
	Midterm(s)	1				40%		
	Quiz(zes)							
	Project(s)							
	Homework(s)							
	Laboratory							
Presentation								
*** Lifelong Learning Programme (LLP) ***								
						Lang. of Instruction:	English	
Evaluation Tool	Quantity	Student Workload Hours		Evaluation Tool	Quantity	Student Workload Hours		
Theoretical Hours	14	28.0		Applied Hours				
Midterm	1	2.0		Final	1	2.0		
Quiz				Project				
Laboratory				Homework				
Atelier				Seminar				
Field Study				Presentation				
Exam Preparations	5	30.0		Self Study	14	84.0		
						TOTAL:	148.0	
Recommended ECTS Credit (Total Hours / 30) : 5								



SYLLABUS

2025-2026 Spring Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule			
			T	A	L						
HTE452	Management in Healthcare	Compulsory	3	0	0	3	4	Friday- 02.00- 05.00 PM ECZ008			
Prerequisite		Prerequisite to									
Course Lecturer	Assist. Prof. Dr. Dilek BEYTUT					Office Hours Schedule	Wednesday 17:00-18:00				
E-mail	dbeytut@eul.edu.tr										
Phone	2550					Office / Room No	Faculty of Health Science 2. Floor				
Teaching Assistant						Phone					
E-mail						Office / Room No					
Catalogue Descriptions	This course introduces undergraduate health science students to the fundamental principles and practices of management and leadership within healthcare organizations. It focuses on the development of managerial competencies necessary for effective coordination of patient care, team leadership, resource management, and quality improvement in diverse healthcare settings.										
Objectives	The objective of this course is to teach students the planning, organization, execution, evaluation and coordination of health services.										
Learning Outcomes	Upon successful completion of the course, students will be able to: Describe management concepts and theories in healthcare. (2) Defines the importance of critical thinking in health care management. (3) Uses the scientific problem solving approach in managerial problems (4) Lists the importance of pioneering change in managerial issues. (5) Identifies the qualities and skills required to lead an organization.							(1)			
Programme Outcome Relations	PO1: 3 PO2: 3 PO3: 5 PO4: 5 PO5: 5 PO6: 1	PO7: 1 PO8: 3 PO9: 2 PO10: 5 PO11: 5 PO12: 5	(1) Strongly disagree; Disagree; Neither agree nor disagree; Agree; Strongly agree.					(2)	(3)	(4)	(5)
Textbooks and/or References	1 Yoder-Wise, P (2011) Leading and Managing in Nursing, (5th ed). Elsevier/Mosby ISBN: 978-0-323-06977-9										
	2 JOSTE K., KIPPER C.M.: THE ROLE OF MANAGEMENT IN PROMOTING A MOTIVATIONAL WORK SETTING FOR NURSES, NOVEMBER 2002, HEALTH SR GESONHEIT 7(2) DOI: 10.4102/hscg.v7i2.640										
	3 WHO, Health professions networks, https://www.who.int/teams/health-workforce/health-professions-networks/										
	4 Nursing Management Journals (Lippincott comp)										
	5 Kepes S., Bennett A., Viduamei M.A, Evidence-Based Management and the Trustworthiness of Our Cumulative Scientific Knowledge: Implications for Teaching, Research, and Practice Academy of Management Learning and Education, The 13(3):446-466										
WEEK	Date	TOPICS						Reference No - Section			
Week 1	06.02.26	Healthcare Management, Basic Concepts						1st reference, chapter 1- 10			
Week 2	13.02.26	Management and Leadership Theories, Functions of Management Organizational Structure						1st reference, chapter 1-10			
Week 3	20.02.26	Time Management ,Planning, Staffing						1st reference, chapter 4-13			
Week 4	27.02.26	Health Services and Health Systems, Telemedicine						1st reference, chapter 12-16, 4 th reference			
Week 5	06.03.26	Critical Thinking, Problem Solving, Decision Making						1st reference, chapter 15, 4th reference			
Week 6	13.03.26	Motivation, Job Satisfaction, Burnout						2nd reference			
Week 7	20.03.26	Feast of Ramadan									
Week 8	27.03.26	Team Collaboration, Conflict Management, Organizational Communication						1st reference chapter 9			
Week 9	03.04.26	Reality Shock, Stress Management						1st reference chapter 10-11			
Week 10	10.04.26	Midterm(s)									
Week 11	17.04.26	Career Planning and Job Interviews						1st reference chapter 25			
Week 12	24.04.26	Change Management-Health of Healthcare Professionals						1st reference chapter 28			
Week 13	01.05.26	Labor Day									
Week 14	08.05.26	Patient Safety and Medical Error/ Student Activity						3th reference chapter 5			
Week 15	15.05.26	Evidence-Based Management, Knowledge and Power / Student Activity						3th reference chapter 7			
Week 15-16	16-25.05.26	Finals									
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)						
	Final Exam	1	16-25/05/26	50	50,0						
	Semester Evaluation				50						
	Midterm(s)	1	04-12/04/26	40	40,0						
	Quiz(zes)										
	Project(s)										
	Homework			10	10,0						
	Laboratory works										
Other											
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:			English					
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours						
Theoretical lecturing hours (TLH)	14	42	Homework	1	5						
TLH self study	14	28	Project								
Quiz (Q)			Presentation	1	1						
Q preparation self study			Seminar								
Laboratory (L)			Tutorial								
L preparation work			Practice hours								
Midterm exam (ME)	1	1	Final exam (FE)	1	1						
ME preparation self study	1	15	FE preparation self study	1	25						
					TOTAL :	118					
					Recommended ECTS Credit (Total Hours / 30) :	3,93					



Physiotherapy and Rehabilitation

SYLLABUS
2025-2026 Spring Semester

Course Code	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
		T	A	L			
PTRH214-PTLE01	SURGICAL SCIENCES	3			3		Tuesday 09.00-12:00
Prerequisite		Prerequisite to					
Course Lecturer	Asst. Prof. Dr. Nazemin Gilanloğulları				Office Hours Schedule		
E-mail	ngilanloğullari@eul.edu.tr				Office / Room No		2563
Phone					Phone		-
Teaching	-				Office / Room No		-
E-mail	-						
Catalogue Descriptions	Anesthesia and reanimation, General surgery, Oncology, Chest surgery Cardiovascular surgery Plastic surgery, Urology, Emergency aids, Radiology, Otorhinolaryngology.						
Objectives	To evaluate the basic principles of surgical sciences in physiotherapy; Anesthesia and reanimation, General surgery, Oncology, Chest surgery, Cardiovascular surgery, Plastic surgery, Urology, Emergency aids, Radiology, Otorhinolaryngology.						
Learning Outcomes	<p>After studying this course, students will be able to:</p> <p>LO1- define main diseases in orthopedics, neurosurgery and obstetrics and gynecology.</p> <p>LO2- Learn characteristics of main diseases in orthopedics, neurosurgery and obstetrics and gynecology.</p> <p>LO3- Have information about the diagnostic assessment of main diseases in orthopedics, neurosurgery and obstetrics and gynecology.</p> <p>LO4- Have information about the treatment options for main diseases in orthopedics, neurosurgery and obstetrics and gynecology.</p> <p>LO5- Understand the differences among main diseases in orthopedics, neurosurgery and obstetrics and gynecology.</p>						
Programme Outcome Relations	PO1: PO2: PO3: PO4: PO5: PO6: PO7:		PO8: PO9: PO10: PO11: PO12: PO13: PO14: PO15:		(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.		
Textbooks and/or References	1) Rengachary SS, Ellenbogen RG: Principles of Neurosurgery. Elsevier Mosby Saunders,2005. 2) Kaye AH: Essential Neurosurgery. Blackwell Publishing, 2005. 3) Current literature						
WEEK	Date	TOPICS				Reference No - Section	
Week 1	03/02/2026	Introduction to surgical sciences					
Week 2	10/02/2026	Preoperative Care and Postoperative Care					
Week 3	17/02/2026	Septic Arthritis & Osteoarthritis					
Week 4	24/02/2026	SHOCK TABLE					
Week 5	03/03/2026	Arthroplasty					
Week 6	10/03/2026	Amputations					
Week 7	17/03/2026	Pregnancy & Birth, Pelvic Floor Disorders					
Week 8	24/03/2026	Sports injuries					
Week 9	31/03/2026	Revision					
Week 10	07/04/2026	MIDTERM					
Week 11	14/04/2026	SPINE PATHOLOGIES					
Week 12	21/04/2026	Arthroplasty					
Week 13	28/04/2026	SPINE PATHOLOGIES					
Week 14	05/05/2026	UROGENITAL SYSTEM DISEASES					
Week 15	12/05/2026	Revision					
Week 16	19/05/2026	Final exam week					
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)		
	Final Exam	1		50			
	Semester Evaluation						
	Midterm(s)	1		50			
	Quiz(zes)						
	Project(s)						
	Homework(s)						
	Laboratory						
	Other						
*** Lifelong Learning Programme (LLP) ***				Language of Instruction:		English	
Evaluation Tool	Quantity	Student Workload Hours		Evaluation Tool	Quantity	Student Workload Hours	
Theoretical Hours	2*14	28.0		Applied Hours	2*14	28.0	
Midterm	1*15	15.0		Final	1	15.0	
Quiz				Project			
Laboratory				Homework			
Atelier				Seminar			

Field Study				Presentation		
Other				Self Study	14*2	28.0
TOTAL :						114.0
Recommended ECTS Credit (Total Hours / 30) :						4



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Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule	
			T	A	L				
PTR 302	Neurophysiological Approaches II	Compulsory	2	0	2	3	4	Tuesday 09:00-12:50	
Prerequisite		Prerequisite to							
Course Lecturer	Assoc. Prof. Dr. Beliz Belgen Kaygisiz					Office Hours Schedule	Thursday 14:00-15:00		
E-mail	bkaygisiz@eul.edu.tr								
Phone	2568					Office / Room No			
Teaching Assistant						Phone			
E-mail						Office / Room No			
Catalogue Descriptions	This course covers basic proprioceptive neuromuscular facilitation techniques, patterns used for upper, lower extremities, neck and trunk, scapula and pelvis region, use of facilitator and inhibitory techniques, approaches to movement control and muscle tone, both theoretically and practically.								
Objectives	Student will be able to define neurophysiological mechanism of PNF techniques, will be able to indicate of the place and purpose of usage of PNF techniques in therapeutic exercises, will learn to evaluate patient specific assessment needed to identify pnf techniques, will gain problem solving skills about facilitation and inhibition in different neuromuscular system disorders.								
Learning Outcomes	The student will be able to: 1) Defines neurophysiological approaches in rehabilitation 2) Explain the basic principles of neurophysiological approaches 3) Explains the proprioceptive neuromuscular facilitation (PNF) techniques 4) Explains upper extremity PNF patterns 5) Explains lower extremity PNF patterns 6) Explains facilitator and inhibitory PNF techniques 7) Explains MET exercises with PNF								
Programme Outcome Relations	PO1: 5 PO2: 4 PO3: 5 PO4: 4 PO5: 3	PO6: 2 PO7: 4 PO8: 3 PO9: 1 PO10: 4	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.						
Textbooks and/or References	1 Presentation Notes 2 PNF Techniques- Book 3								
WEEK	Date	TOPICS						Reference No - Section	
Week 1	03/02/2026	Proprioceptive Neuromuscular Facilitation Technique-Introduction						1	
Week 2	10/02/2026	Proprioceptive Neuromuscular Facilitation Technique-Basic Principles						1	
Week 3	17/02/2026	Proprioceptive Neuromuscular Facilitation Technique-Basic Principles						1	
Week 4	24/02/2026	Lower Extremity Patterns						1,2	
Week 5	03/03/2026	Upper Extremity Patterns						1,2	
Week 6	10/03/2026	Scapula Patterns						1,2	
Week 7	17/03/2026	Scapula Patterns						1,2	
Week 8	24/03/2026	Pelvis Patterns						1,2	
Week 9	31/03/2026	Pelvis Patterns						1,2	
Week 10	07/04/2026	Midterms							
Week 11	14/04/2026	Basic Process of PNF Techniques						1,2	
Week 12	21/04/2026	Basic Process of PNF Techniques						1,2	
Week 13	28/05/2026	Basic Process of PNF Techniques						1,2	
Week 14	05/05/2026	PNF - Mat Activities						1,2	
Week 15	12/05/2026	PNF - Gait Training / PNF- Activities of Daily Living						1,2	
Week 16	19/05/2026	Final Exam Week							
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)				
	Final Exam	1	20/05/2026	60	100.0				
	Semester Evaluation								
	Midterm(s)	1	07/04/2026	40	100.0				
	Quiz(zes)								
	Project(s)								
	Homework								
	Laboratory works								
Attendance									
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:			English			
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours				
Theoretical lecturing hours (TLH)	14	28	Homework						
TLH self study	8	18	Project						
Quiz (Q)			Presentation						
Q preparation self study			Seminar						
Laboratory (L)	14	28	Tutorial						
L preparation work									
Midterm exam (ME)	1	2	Final exam (FE)	1	2				
ME preparation self study	1	14	FE preparation self study	1	28				
TOTAL :					120				
Recommended ECTS Credit (Total Hours / 30) :					4.00				



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Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
			T	A	L			
PTR304	KINESIOLOGY II	Compulsory	2	0	0	2	3	THURSDAY 13:00-14:50
Prerequisite	Prerequisite to							
Course Lecturer	Asst. Prof. Dr. Beraat Alptuğ					Office Hours Schedule	TUESDAY 12.00-13.50	
E-mail	balptug@eul.edu.tr							
Phone	2554					Office / Room No	SF011	
Teaching Assistant						Phone		
E-mail						Office / Room No		
Catalogue Descriptions	This course develops biomechanical and kinesiology knowledge of the spine and major peripheral joints, with emphasis on mechanical principles, pathomechanics, and functional movement analysis. Topics include vertebral column and sacroiliac mechanics, lower-limb joints (hip, knee, ankle/foot), and the shoulder–arm complex (shoulder, elbow, wrist/hand), including gait fundamentals and common pathological deviations. The course supports physiotherapy-relevant clinical reasoning through lecture and discussion.							
Objectives	By the end of this course, students will be able to: Explain key mechanical concepts (equilibrium, center of gravity, base of support, load/weight bearing) as applied to human movement. Describe normal joint and spinal mechanics and relate them to common pathomechanical conditions. Analyze normal gait and identify typical deviations in pathological gait patterns. Integrate ergonomics, injury prevention principles, and exercise rationale within movement analysis.							
Learning Outcomes	After successfully completing this course, students will be able to: LO1. Explain fundamental biomechanical principles and apply them to human movement tasks. LO2. Describe normal and pathomechanical features of the spine, pelvis, and sacroiliac joint, including common deformities (e.g., scoliosis), in relation to function. LO3. Describe normal and pathomechanical mechanics of major lower-limb joints (hip, knee, ankle/foot) and interpret basic kinematic/kinetic features during dynamic activities, including gait. LO4. Describe normal and pathomechanical mechanics of the upper-limb complex (shoulder, elbow, wrist/hand) and use this knowledge to explain functional limitations and movement adaptations.							
Programme Outcome Relations	PO1: PO2: PO3: PO4: PO5: PO6: PO7:	PO8: PO9: PO10: PO11: PO12: PO13: PO14: PO15:	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.					
Textbooks and/or References	1 Frankel VH, Nordin M. Basics biomechanics of the skeletal system. Lea & Febiger, Philadelphia, 1980. 2 Akma.M.N. Basic and applied kinesiology. Ankara 2003 3 Carol A. Oatis. Kinesiology: The Mechanics and Pathomechanics of Human Movement, 2008. 4 Current Literature							
WEEK	Date	TOPICS					Reference No - Section	
Week 1	05/02/2026	Introduction to kinesiology						
Week 2	12/02/2026	Spine mechanics and pathomechanical properties 1						
Week 3	19/02/2026	Spine mechanics and pathomechanical properties 2						
Week 4	26/02/2026	Spine mechanics and pathomechanical properties 3						
Week 5	05/03/2026	Spine mechanics and pathomechanical properties 4						
Week 6	12/03/2026	Scoliosis						
Week 7	19/03/2026	Sacroiliac joint mechanics and pathomechanical properties						
Week 8	26/03/2026	Knee joint mechanics and pathomechanical properties						
Week 9	02/04/2026	Revision and discussion						
Week 10	04-12/04/26	Mid-term exam week						
Week 11	16/04/2026	Ankle and foot joints mechanics and pathomechanical properties						
Week 12	23/04/2026	HOLIDAY						
Week 13	30/04/2026	Shoulder joint mechanics and pathomechanical properties						
Week 14	07/05/2026	Elbow, Hand and wrist joints mechanics and pathomechanical properties						
Week 15	14/05/2026	Revision and discussion						
Week 15-16	16-25/05/26	FINAL exam week						
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)			
	Final Exam	1						
	Semester Evaluation							
	Midterm(s)	1						
	Quiz(zes)							
	Project(s)							
	Homework							
Laboratory works								
Attendance								
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:			English		
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours			
Theoretical lecturing hours (TLH)	14	28	Homework					
TLH self study	14	42	Project					
Quiz (Q)			Presentation					
Q preparation self study			Seminar					
Laboratory (L)			Tutorial					
L preparation work			Applied Hours (A)					
Midterm exam (ME)	1	2	Final exam (FE)	1	2			
ME preparation self study	5	10	FE preparation self study	5	10			
TOTAL :					94			
Recommended ECTS Credit (Total Hours / 30) :					3.13			



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Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
			T	A	L			
PTR 306	Neurologic Physiotherapy and Rehabilitation	Compulsory	2	0	2	3	4	Tuesday 14:00-17:50
Prerequisite	Prerequisite to							
Course Lecturer	Assoc. Prof. Dr. Beliz Belgen Kaygisiz					Office Hours Schedule	Thursday 15:00-16:00	
E-mail	bkaygisiz@eul.edu.tr							
Phone	2568					Office / Room No		
Teaching Assistant						Phone		
E-mail						Office / Room No		
Catalogue Descriptions	This course provides learning of neurologic rehabilitation approaches within the scope of physiotherapy and rehabilitation in neurological diseases. Rehabilitation of upper motor neuron, lower motor neuron diseases, traumatic brain injuries, spinal cord injuries, tumors in the central and peripheral nervous system and neuromuscular diseases; and additionally, specific physiotherapy treatment modalities and rehabilitation approaches is discussed.							
Objectives	The student will be able to : 1. Explain neurological diseases. 2-Explain treatment planning in neurological diseases. 3- Choosing suitable rehabilitation techniques for neurology patients.							
Learning Outcomes	LO1- Describe the neurologic diseases characteristics. LO2- Classify the diseases according to central and peripheral nervous system characteristics and describe the clinical properties of upper and lower motor neuron. LO3- Comprehend the neurophysiologic based measurement and assessment methods concerning with upper and lower motor neuron. LO4- Describe the effects of neurologic diseases on body functions, activity and participation; plan the treatment program in the process of clinical decision-making. LO5- Select the neurophysiologic-based treatment program that appropriate for disease and apply basic level.							
Programme Outcome Relations	PO1: 5 PO2: 4 PO3: 5 PO4: 4 PO5: 3	PO6: 2 PO7: 4 PO8: 3 PO9: 1 PO10: 4	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.					
Textbooks and/or References	1 Presentation Notes 2 3							
WEEK	Date	TOPICS						Reference No - Section
Week 1	03/02/2026	Introduction to Neurological Physiotherapy and Rehabilitation						1
Week 2	10/02/2026	ICF Framework in Neurological Physiotherapy and Rehabilitation						1
Week 3	17/02/2026	Medulla Spinalis Injuries and Rehabilitation						1
Week 4	24/02/2026	Medulla Spinalis Injuries and Rehabilitation						1,2
Week 5	03/03/2026	Multiple Sclerosis and Rehabilitation						1,2
Week 6	10/03/2026	Parkinson's Disease and Rehabilitation						1,2
Week 7	17/03/2026	Degenerative Nervous System Diseases and Rehabilitation						1,2
Week 8	24/03/2026	Infectious Nervous System Diseases and Rehabilitation						1,2
Week 9	31/03/2026	Adult Muscular Diseases and Rehabilitation						1,2
Week 10	07/04/2026	Midterm(s)						
Week 11	14/04/2026	Central nervous System Tumors and Rehabilitation						1,2
Week 12	21/04/2026	Head Trauma and Rehabilitation						1,2
Week 13	28/05/2026	Peripheral Nerve Injuries and Rehabilitation						1,2
Week 14	05/05/2026	Evaluation and Rehabilitation of Balance and Coordination/Ataxia and Rehabilitation						1,2
Week 15	12/05/2026	Review						1,2
Week 16	19/05/2026	Final Exam Week						
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)			
	Final Exam	1	20/05/2026	60	100.0			
	Semester Evaluation							
	Midterm(s)	1	07/04/2026	40	100.0			
	Quiz(zes)							
	Project(s)							
	Homework							
	Laboratory works							
Attendance								
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:		English			
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours			
Theoretical lecturing hours (TLH)	14	28	Homework					
TLH self study	8	18	Project					
Quiz (Q)			Presentation					
Q preparation self study			Seminar					
Laboratory (L)	14	28	Tutorial					
L preparation work								
Midterm exam (ME)	1	2	Final exam (FE)	1	2			
ME preparation self study	1	14	FE preparation self study	1	28			
TOTAL :					120			
Recommended ECTS Credit (Total Hours / 30) :					4.00			




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Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
			T	A	L			
PTR 308	RHEUMATOLOGIC PHYSIOTHERAPY	Compulsory	2	2	0	3		THURSDAY-FRIDAY 08:00-12:50
Prerequisite	240	Prerequisite to						
Course Lecturer	Prof.Dr BİROL BALABAN					Office Hours Schedule	THURSDAY-FRIDAY 08:00-18:00	
E-mail	balabanbirol@yahoo.com					Office / Room No	Faculty of Health Sciences	
Phone	0532.261.61.73					Office / Room No	Faculty of Health Sciences	
Teaching Assistant						Phone		
E-mail						Office / Room No		
Catalogue Descriptions	The aim is to teach physiotherapy and rehabilitation students about rheumatological diseases that cause physical disabilities and their prognoses, which they will encounter throughout their professional lives, and to equip them with knowledge and skills regarding physiotherapy and rehabilitation approaches for these diseases.							
Objectives	<p>By the end of this course, students will be able to:</p> <ul style="list-style-type: none"> Develop evidence-based and forward-thinking skills to maintain the importance and relevance of physiotherapy and rehabilitation as a profession. Learn and use the basic medical terminology and clinical knowledge necessary for physiotherapy and rehabilitation practices. Conduct assessments for physiotherapy and rehabilitation. Define clinical physiotherapy and rehabilitation programs using physiotherapy and rehabilitation methods. Plan and implement individual physiotherapy and rehabilitation programs. Follow innovations related to physiotherapy and rehabilitation practices. Archive and store documents related to physiotherapy and rehabilitation practices. Possess lifelong learning skills and follow professional innovations. Plan, implement, and present scientific research related to physiotherapy and rehabilitation practices. 							
Learning Outcomes	<p>Upon successful completion of this course, the student will be able to:</p> <ul style="list-style-type: none"> LO1 Define rheumatological diseases. LO2 Know rheumatological evaluation methods LO3 Relate the field of rheumatology and physiotherapy. LO4 Know rheumatological rehabilitation methods. LO5 Know acute and chronic physiotherapy approaches. LO6 Define the indication of physiotherapy in rheumatological diseases. 							
Programme Outcome Relations	PO1: PO2: PO3: PO4: PO5: PO6: PO7:	PO8: PO9: PO10: PO11: PO12: PO13: PO14: PO15:	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.					
Textbooks and/or References								
WEEK	Date	TOPICS					Reference No - Section	
Week 1	19/02/2026	Joint and Spine Anatomy						
Week 2	20/02/2026	Back Pain						
Week 3	05/03/2026	Osteoporosis and Rehabilitation						
Week 4	06.03.026	Soft Tissue Rheumatism-I						
Week 5	26/03/2026	Soft Tissue Rheumatism-II						
Week 6	27/03/2026	LESSON REVIEW						
Week 7	04-12.04.2025	Mid-term exam week						
Week 8	16/04/2026	Osteoarthritis						
Week 9	17/04/2026	Rheumatoid arthritis						
Week 10	07/04/2026	Seronegative Spondylarthritis						
Week 11	08/05/2026	Ankylosing Spondylitis						
Week 12	16-25.05.2026	Final Exam Week						
Evaluation Tools	Evaluation Tool	Quantity	Date		Weight in Total (%)	Weight in Semester Evaluation (%)		
	Final Exam	1			60			
	Semester Evaluation							
	Midterm(s)	1			40			
	Quiz(zes)							
	Project(s)							
	Homework							
	Laboratory works							
Attendance								
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:			English		
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours			
Theoretical lecturing hours (TLH)			Homework					
TLH self study			Project					
Quiz (Q)			Presentation					
Q preparation self study			Seminar					
Laboratory (L)			Tutorial					
L preparation work			Applied Hours (A)					
Midterm exam (ME)			Final exam (FE)					
ME preparation self study			FE preparation self study					
TOTAL :					0			
Recommended ECTS Credit (Total Hours / 25) :					0.00			

EUROPEAN UNIVERSITY OF LEFKE- Faculty of Health Sciences							
							
Physiotherapy and Rehabilitation							
SYLLABUS							
2025-2026 Spring Semester							
Course Code	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
		T	A	L			
PTRH316	ORTHOPAEDIC PHYSIOTHERAPY AND REHABILITATION	2		2	3	4	Friday 13:00-17:00
Prerequisite		Prerequisite to					
Course Lecturer	Asst. Prof. Dr. Nazemin Gilanloğullari/Asst. Prof. Dr. Beraat Alptuğ				Office Hours Schedule		
E-mail	ngilanloğullari@eul.edu.tr / balptug@eul.edu.tr						
Phone					Office / Room No	2563	
Teaching	-				Phone	-	
E-mail	-				Office / Room No	-	
Catalogue Descriptions	To understand and reflect the basic methods used in the evaluation of the orthopedic problems and musculoskeletal injuries that are necessary or unnecessary in surgery and to develop the ability to select and apply physiotherapy rehabilitation approaches that are most suitable for pathology and applied surgical special and situation.						
Objectives	To help students to learn how to apply basic methods of assessment and treatment techniques for orthopedic problems and musculoskeletal injuries, and to develop the student's knowledge and skills in planning an individual physiotherapy and rehabilitation program specific to the pathology and after a surgery; To provide information about preventive and protective physiotherapy approaches in orthopedic physiotherapy and rehabilitation.						
Learning Outcomes	<p>After studying this course, students will be able to:</p> <p>LO1- Describe general orthopaedic problems.</p> <p>LO2- Explain musculoskeletal system injuries and degenerative joint diseases and knows related complications of these problems.</p> <p>LO3- Know basic concepts about surgical procedure in the cases who may need surgical intervention, and will be able to aware of critical points should be taken account.</p> <p>LO4- Comprehend and apply general and pathology-specific evaluation and measurement methods in ortopaedic problems.</p> <p>LO5- Know general treatment principles about musculoskeletal system injuries and degenerative diseases in ortopaedics and can identify the cases which needs to have physical therapy and rehabilitation.</p>						
Programme Outcome Relations	PO1: PO2: PO3: PO4: PO5: PO6: PO7:		PO8: PO9: PO10: PO11: PO12: PO13: PO14: PO15:		(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.		
Textbooks and/or References	1) George, T.K, Mostoufi, S.A. and Tria, A.J.T.J. (2023) Ortopaedic Rehabilitation. Springer 2) Magee, D.j & Manske R. C (2021). ORTHOPEDIC PHYSICAL ASSESSMENT. Seventh Edition. Elsevier						
WEEK	Date	TOPICS				Reference No - Section	
Week 1	03/02/2026	Introduction to orthopaedic physiotherapy and rehabilitation					
Week 2	10/02/2026	Introduction to fractures					
Week 3	17/02/2026	Fractures					
Week 4	24/02/2026	Total Hip Replacement					
Week 5	03/03/2026	Total Knee Replacement, Meniscus injury, Ligament injuries (MCL,LCL)					
Week 6	10/03/2026	Ligament injuries (ACL, PCL)					
Week 7	17/03/2026	Patellofemoral Pain Syndrome, Lateral Ankle, Sprain					
Week 8	24/03/2026	NATIONAL HOLIDAY					
Week 9	31/03/2026	Osteoporosis Rehabilitation					
Week 10	07/04/2026	MIDTERM					
Week 11	14/04/2026	Shoulder Examination					
Week 12	21/04/2026	Shoulder Pathologies and Rehabilitation					
Week 13	28/04/2026	Elbow and Wrist Examination, Pathologies and Rehabilitation					
Week 14	05/05/2026	Lumbar Spine Pathologies and Rehabilitation Lower limb muscles and nerves					
Week 15	12/05/2026	NATIONAL HOLIDAY					
Week 16	19/05/2026	Final exam week					
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)		
	Final Exam	1		50			
	Semester Evaluation						
	Midterm(s)	1		40			
	Quiz(zes)						
	Project(s)						
	Homework(s)	1		10			
	Laboratory						
Other							
*** Lifelong Learning Programme (LLP) ***				Language of Instruction:		English	
Evaluation Tool	Quantity	Student Workload Hours		Evaluation Tool	Quantity	Student Workload Hours	
Theoretical Hours	2*14	28.0		Applied Hours	2*14	28.0	
Midterm	1*15	15.0		Final	1	15.0	
Quiz				Project			
Laboratory				Homework	1	10.0	
Atelier				Seminar			

Field Study				Presentation		
Other				Self Study	14*2	28.0
TOTAL :						124.0
Recommended ECTS Credit (Total Hours / 30) :						4



EUROPEAN UNIVERSITY OF LEFKE

Health and Sciences Faculty

SYLLABUS

2025-2026 Spring Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule	
			T	A	L				
PTR318	Cardiac Physiotherapy and Rehabilitation	Compulsory	2	0	0	2	2	Monday 14:00-16:00 LAB	
Prerequisite	Prerequisite to								
Course Lecturer	Assist. Prof. Dr. Necati ÖZLER					Office Hours Schedule	Monday 09.00-14.00		
E-mail	nozler@eul.edu.tr								
Phone	2566					Office / Room No			
Teaching Assistant						Phone			
E-mail						Office / Room No			
Catalogue Descriptions	This course provides a comprehensive overview of cardiac rehabilitation principles and clinical applications. It covers the pathophysiology of cardiovascular diseases, risk factors, diagnostic procedures, and medical management. The course focuses on the phases of cardiac rehabilitation, exercise testing, and individualized exercise prescription for cardiac patients. Emphasis is placed on patient assessment, monitoring, safety, and multidisciplinary approaches in the prevention and management of cardiovascular conditions.								
Objectives	The aim of this course is to equip students with the knowledge and skills required to assess, plan, and implement cardiac rehabilitation programs for individuals with cardiovascular diseases. Students will learn to interpret clinical findings, design safe and effective exercise programs, and monitor patient responses during rehabilitation. The course also aims to develop clinical decision-making skills, promote risk factor modification strategies, and encourage evidence-based practice in cardiac care.								
Learning Outcomes	LO1 Explain the pathophysiology of common cardiovascular diseases and the phases of cardiac rehabilitation. LO2 Perform clinical assessment and risk stratification for patients participating in cardiac rehabilitation programs. LO3 Design and implement individualized cardiac rehabilitation programs based on patient condition and exercise testing results. LO4 Evaluate patient outcomes and apply evidence-based approaches in the management of cardiac rehabilitation.								
Programme Outcome Relations	PO1: 1 PO2: 2 PO3: 4 PO4: 4 PO5: 3 PO6: 4		PO7: 5 PO8: 2 PO9: 1 PO10: 1 PO11: 1 PO12: 1 PO13: 1 PO14: 1 PO15: 1			(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.			
Textbooks and/or References	1 ACSM's Guidelines for Exercise Testing and Prescription — American College of Sports Medicine (ACSM), 2021 2 Clinical Exercise Physiology — Myers, J., 2019 3 Cardiac Rehabilitation: A Clinical Guide — Kraus, W. E. & Keteyian, S. J., 2012								
WEEK	Date	TOPICS					Reference No - Section		
Week 1	02/02/2026	Introduction to Cardiac Rehabilitation and Cardiovascular System Overview					1		
Week 2	09/02/2026	Pathophysiology of Cardiovascular Diseases					1.2		
Week 3	16/02/2026	Cardiovascular Risk Factors and Prevention Strategies					1,3		
Week 4	23/02/2026	Diagnostic Methods and Clinical Evaluation in Cardiology					1		
Week 5	02/03/2026	Phases of Cardiac Rehabilitation (Phase I-IV)					2,3		
Week 6	09/03/2026	Patient Assessment and Functional Capacity Evaluation					2		
Week 7	16/03/2026	Exercise Testing in Cardiac Patients					3,2		
Week 8	23/03/2026	Principles of Exercise Prescription in Cardiac Rehabilitation					2		
Week 9	30/03/2026	MIDTERM					3,2		
Week 10	06/04/2026	Monitoring and Safety During Exercise					1,2,3		
Week 11	13/04/2026	Cardiac Rehabilitation in Coronary Artery Disease					3,2		
Week 12	20/04/2026	Cardiac Rehabilitation in Heart Failure					1		
Week 13	27/04/2026	Cardiac Rehabilitation After Cardiac Surgery					3,2		
Week 14	04/05/2026	Risk Factor Modification and Patient Education					2		
Week 15	11/05/2026	Case Studies, Program Design, and Review					3		
Week 15-16	18/05/2026	Final Exam							
Evaluation Tools						Weight in Semester Evaluation (%)			
	Final Exam	1				50			
	Semester Evaluation					50			
	Midterm(s)	1				50		100.0	
	Quiz(ze)s								
	Project(s)								
	Homework								
Laboratory works	7								
Attendance									
*** Lifelong Learning Programme (LLP) ***					Language of Instruction:			English	
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours				
Theoretical lecturing hours (TLH)	14		Homework						
TLH self study	14		Project						
Quiz (Q)			Presentation						
Q preparation self study			Seminar						
Laboratory (L)	7	14	Tutorial						
L preparation work	7	40							
Midterm exam (ME)	1	1.5	Final exam (FE)	1	1.5				
ME preparation self study			FE preparation self study						
TOTAL :					57				
Recommended ECTS Credit (Total Hours / 30) :					1.90				

EUROPEAN UNIVERSITY OF LEFKE									
"Common Lectures"									
SYLLABUS									
2025-2026 Spring Semester									
Course Code	Course Name	Course Type	Weekly Course			Credits	ECTS	Weekly Time Schedule	
			T	A	L				
COM351	Research Methods	Compulsory	3	0		3	6	Thursday 15:00-17:50	
Prerequisite	NONE	Prerequisite to				NONE			
Course Lecturer	Asst. Prof. Dr. Hüseyin Karşılı					Office Hours Schedule	Thursday, 09:00-11:50		
E-mail	hkarsili@eul.edu.tr					Office / Room No	FEAS Building - No. 6		
Phone	2619					Phone	-		
Teaching Assistant(s)	-					Office / Room No	-		
E-mail	-								
Catalog Description	This course introduces students to the fundamental principles, techniques, and methodologies used in conducting research in the social sciences and beyond. Emphasis is placed on developing skills in research design, data collection, analysis, and interpretation. Students will explore both qualitative and quantitative research methods, with practical experience in formulating research questions, designing surveys and experiments, conducting literature reviews, and using statistical tools for data analysis. Through a combination of lectures, case studies, and hands-on projects, students will gain a thorough understanding of the research process and be prepared to apply these skills to real-world research problems. Ethical considerations in research and issues related to data reliability and validity will also be discussed.								
Course Objectives	This course will contribute to students developing the knowledge and skills in research. Students will comprehend the foundations of research, improve producing research topic, question and hypothesis, learn to make search for literature review, improve skills to design/plan research and data collection techniques and analyse collected data. This course will also help students think critically and apply problem-solving techniques about research.								
Learning Outcomes	Students are expected; 1. To understand the nature of scientific research. 2. To apply the steps of a scientific research. 3. To create research problem and identifying/creating hypothesis. 4. To understand the basic quantitative and qualitative research methods. 5. To prepare and present project report.								
Programme Outcome Relations	PO1: 2 PO2: PO3: 3 PO4: PO5: PO6: PO7:	PO8: 3 PO9: PO10: PO11: PO12: 4 PO13: PO14: PO15: 5	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.						
Textbooks and/or References	1. Kumar, R. 2019. <i>Research Methodology: A Step-by-step Guide for Beginners (3rd Edition)</i> , Sage, London. (Main textbook) 2. Bhattacharjee, A. 2012. <i>Social Science Research (2nd Edition)</i> , Open Access Textbooks Collection Book 3, Tampa.								
WEEK	Date	TOPICS					Reference No - Section		
Week 1	05.02.2026	Introduction to research and scientific method							
Week 2	12.02.2026	Research: A Way of Thinking & The Research Process					1;1 (pgs. 22-34) & 1;2 (pgs. 35-44)		
Week 3	19.02.2026	Reviewing the Literature					1;3 (pgs. 46-55)		
Week 4	26.02.2026	Formulating a Research Problem& Identifying Variables & Constructing Hypotheses					1;4 (pgs. 56-69) & 1;5 (pgs. 70-85) & 1;6 (pgs. 86-93)		
Week 5	05.03.2026	Research Design & Selecting a Study Design					1;7 (pgs. 95-101) & 1;8 (pgs. 103-129)		
Week 6	12.03.2026	Selecting a Method of Data Collection					1;9 (pgs. 131-156)		
Week 7	19.03.2026	Public Holiday							
Week 8	26.03.2026	Establishing the Validity and Reliability of a Research Instrument					1;10 (pgs. 157-164)		
Week 9	02.04.2026	Revision							
Week 10	04-12/04/2026	Midterm Exam							
Week 11	16.04.2026	Selecting a Sample					1;12 (pgs. 175-194)		
Week 12	23.04.2026	Public Holiday							
Week 13	30.04.2026	Data Analysis: Quantitative Data and Qualitative Data					1;15 (pgs. 226-257)		
Week 14	07.05.2026	How to Write a Research Proposal & Report Writing Up					1;13 (pgs. 197-215)		
Week 15	14.05.2026	Revision							
Week 16	16-25/05/2026	Final Exam Week							
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)				
	Final Exam	1	23.05-02.06.2025	50	50,0				
	Midterm(s)	1	12.20.04.2025	40	40,0				
	Quizzes & Class Activities								
	Project - Poster	1	After Midterm Exam	10	10,0				
	Homework(s)								
	Laboratory								
Other									
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:		English				
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours				
Theoretical Hours	13*3	39,0	Applied Hours						
Midterm	1	1,0	Final	1	1,0				
Midterm study		55,0	Final Study		60,0				
Laboratory			Project - Poster	1	20,0				
Atelier			Seminar						
Field Study			Presentation						
Other			Self Study						



EUROPEAN UNIVERSITY OF LEFKE

Physiotherapy and Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Spring Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
			T	A	L			
PTR 402	Clinical Practice II	Compulsory	2	0	8	6	12	Friday 09:00-10:50
Prerequisite	Prerequisite to							
Course Lecturer	Assoc. Prof. Dr. Beliz Belgen Kaygisiz, Assist. Prof. Nazemin Gilanliogullari, Assist. Prof. Beraat Alptuğ					Office Hours Schedule	Friday 14:00-15:00	
E-mail	bkaygisiz@eul.edu.tr							
Phone	2568					Office / Room No		
Teaching Assistant						Phone		
E-mail						Office / Room No		
Catalogue Descriptions	This course is designed to identify problems in cases that physiotherapists will encounter during their clinical work, to identify problems at activity and participation level and to practice appropriate physiotherapy rehabilitation programs, Course also aims to determine rehabilitation approaches in the light of evidence-based scientific data, to enable students to discuss the factors in the classroom environment and in clinical environment to develop solving skills.							
Objectives	The aim of the course: 1) Gains skills to use the information obtained from the theoretical part of education, related to the disease and physiotherapy and rehabilitation, at clinical area 2) Gain skills in physiotherapy evaluation . 3) Identify personal and environmental factors at an inpatient or outpatient physiotherapy department 4) Learn group work on clinical approaches and case-by-case clinical decision making 5) Learn case-relevant assessment results, short- and long-term treatment goals, and shares the treatment plan with effective communication, other opinions based on scientific grounds as discuss.							
Learning Outcomes	LO1- Discuss the patient assessment and treatment procedures in the classroom environment and in clinical environment to develop problem solving skills. LO2- Practice appropriate physiotherapy rehabilitation programs and determine rehabilitation approaches in the light of evidence-based scientific data, LO3- Identify problems in cases that physiotherapists encounter during their clinical work and identify problems of patient at pathology, body structures, activity and participation level of ICF. LO4- Observe and repeats the application of different assessment and treatment techniques used in physiotherapy and rehabilitation.							
Programme Outcome Relations	PO1: 5 PO2: 4 PO3: 5 PO4: 4 PO5: 3		PO6: 3 PO7: 4 PO8: 3 PO9: 3 PO10: 4		(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.			
Textbooks and/or References	1	Pubmed						
	2	Medline						
	3							
WEEK	Date	TOPICS					Reference No - Section	
Week 1	06/02/2026	Course Information and Discussion						
Week 2	13/02/2026	Definition and Discussion on ICF Framework						
Week 3	20/02/2026	Case/Disease Presentation and Discussion with ICF Framework						
Week 4	27/02/2026	Case/Disease Presentation and Discussion with ICF Framework						
Week 5	06/03/2026	Case/Disease Presentation and Discussion with ICF Framework						
Week 6	13/03/2026	Case/Disease Presentation and Discussion with ICF Framework						
Week 7	20/03/2026	Holiday						
Week 8	27/03/2026	Case/Disease Presentation and Discussion with ICF Framework						
Week 9	03/04/2026	Case/Disease Presentation and Discussion with ICF Framework						
Week 10	10/04/2026	Midterm(s)						
Week 11	17/04/2026	Case/Disease Presentation and Discussion with ICF Framework						
Week 12	24/04/2026	Case/Disease Presentation and Discussion with ICF Framework						
Week 13	01/05/2026	Holiday						
Week 14	08/05/2026	Case/Disease Presentation and Discussion with ICF Framework						
Week 15	15/05/2026	Case/Disease Presentation and Discussion with ICF Framework						
Week 16	22/05/2026	Final Exam						
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)			
	Final Exam	1		60	100.0			
	Semester Evaluation							
	Midterm(s)	1		40	100.0			
	Quiz(zes)							
	Project(s)							
	Homework							
	Laboratory works							
Attendance								
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:		English			
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours			
Theoretical lecturing hours (TLH)	14	28	Homework					
TLH self study			Project					
Quiz (Q)			Presentation					
Q preparation self study			Seminar					
Laboratory (L)	14	112	Tutorial					
L preparation work								
Midterm exam (ME)	20	160	Final exam (FE)	1	2			
ME preparation self study	4	16	FE preparation self study	1	42			
TOTAL :					360			
Recommended ECTS Credit (Total Hours / 30) :					12.00			



EUROPEAN UNIVERSITY OF LEFKE

Physiotherapy and Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Spring Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule		
			T	A	L					
PTR 407	Problem Solving in Clinical Physiotherapy II	Compulsory	2	0	0	2	4	Thursday 11:00-12:50		
Prerequisite	Prerequisite to									
Course Lecturer	Assoc. Prof. Dr. Beliz Belgen Kaygisiz					Office Hours Schedule	Friday 13:00-14:00			
E-mail	bkaygisiz@eul.edu.tr									
Phone	2568					Office / Room No				
Teaching Assistant						Phone				
E-mail						Office / Room No				
Catalogue Descriptions	In this course, students will gain the ability to define a case in detail, to define problem solving steps, to define evidence-based practices, to create clinical questions, to search for evidence, to evaluate and to make decisions, to identify the studies with the best level of evidence. Also to use high-evidence research results in the problem solving steps of different cases.									
Objectives	The aim is to evaluate and analyze the problems of the healthy or unhealthy population within the scope of physiotherapy and rehabilitation, to work in groups, to integrate the information obtained in the four-year undergraduate education process through problem-based education, to develop literature review and presentation skills.									
Learning Outcomes	LO1- Gain the ability to search library and web-based resources and use the obtained information in relation to the case. LO2- Participate in case studies within the group, makes definitions about the case after the physiotherapy evaluation, and determines the problems at the level of disorder, activity and participation. LO3- Identify personal and environmental factors that affect activity and participation restrictions. LO4- Use group work skills in clinical approaches and case-by-case clinical decision making. LO5- Share case-related evaluation results, short and long-term treatment goals, and treatment plan through effective communication, and discusses other views based on scientific grounds.									
Programme Outcome Relations	PO1: 5 PO2: 4 PO3: 5 PO4: 4 PO5: 3 4	PO6: PO7: 4	PO8: 4 PO9: 3 PO10: 3 PO11: 2 PO12: 3 PO13: 4 PO14: 4 PO15: 5	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.						
Textbooks and/or References	1	Pubmed								
	2	Medline								
	3									
WEEK	Date	TOPICS					Reference No - Section			
Week 1	05/02/2026	Course Information and Discussion								
Week 2	12/02/2026	What are the steps of Clinical Problem Solving?					1,2,3			
Week 3	19/02/2026	How to make short term goals in physiotherapy?					1,2,3			
Week 4	26/02/2026	How to make long term goals in physiotherapy?					1,2,3			
Week 5	05/03/2026	Group presentation					1,2,3			
Week 6	12/03/2026	Group presentation					1,2,3			
Week 7	19/03/2026	Group presentation								
Week 8	26/03/2026	Group presentation					1,2,3			
Week 9	02/04/2026	Group presentation					1,2,3			
Week 10	09/04/2026	Midterm(s)					1,2,3			
Week 11	16/04/2026	Group presentation					1,2,3			
Week 12	23/04/2026	Group presentation					1,2,3			
Week 13	30/04/2026	Group presentation					1,2,3			
Week 14	07/05/2026	Group presentation								
Week 15	14/05/2026	Holiday								
Week 16	21/05/2026	Final Exam								
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)					
	Final Exam	1		60	100.0					
	Semester Evaluation									
	Midterm(s)	2		40	100.0					
	Quiz(ze)s									
	Project(s)									
	Homework									
	Laboratory works									
Attendance										
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:			English				
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours					
Theoretical lecturing hours (TLH)	28	56	Homework							
TLH self study	8	10	Project							
Quiz (Q)			Presentation	1	24					
Q preparation self study			Seminar							
Laboratory (L)			Tutorial							
L preparation work										
Midterm exam (ME)			Final exam (FE)	1	2					
ME preparation self study			FE preparation self study	1	28					
					TOTAL :	120				
					Recommended ECTS Credit (Total Hours / 30) :	4.00				

EUROPEAN UNIVERSITY OF LEFKE - "Faculty of Health Sciences"



"Physiotherapy and Rehabilitation"

SYLLABUS

2025-2026 Spring Semester

Course Code	Course Name	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule	
			T	A	L				
PTR419	Communication in Health Services	Elective	3	0	0	3	4	Tuesday 9:00 - 11:50	
Prerequisite	Prerequisite to								
Course Lecturer	Macide Artaç Özdal					Office Hours Schedule	Thursday 11:00 - 13:00		
E-mail	mozdal@eul.edu.tr					Office / Room No	SF009		
Phone						Phone			
Teaching Assistant(s)						Office / Room No			
E-mail									
Catalogue Descriptions	To evaluate effective communication methods needed to prevent possible conflicts in health services.								
Course Objectives	The aim of this course is to explain the theoretical background of communication in health services and to provide students with a foresight about the interdisciplinary feature of this field and the ability to critically evaluate the activities in the field of health communication.								
Learning Outcomes	The course aims: - to provide students information on the introduction to health, healthcare services and health communication. - to provide an insight into the importance of communication in health services. - To help students learn theories and models in Health Communication , the Organizational Communication and Leadership and communication in Healthcare Institutions. - To provide knowledge on communication between health care staff and different patient populations. - To provide information on stress management and critical health communication - To teach acting ethical when communicating in healthcare institutions. -To help students to be able to discuss on special issues about communication in healthcare.								
Programme Outcome Relations	PO1: 5 PO2: 3 PO3: 3 PO4: PO5: PO6: PO7:		PO8: PO9: PO10: PO11: PO12: PO13: PO14: PO15:	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.					
Textbooks and/or References	1								
	2								
WEEK	Date	TOPICS					Reference No - Section		
Week 1	02-06.02.2026	Introduction to Health, Health Care Services and Health Communication							
Week 2	09-13.02.2026	Features and Importance of Communication in Health Services							
Week 3	16-20.02.2026	Theories and Models in Health Communication							
Week 4	23-27.02.2026	Theories and Models in Health Communication							
Week 5	02-06.03.2026	Organizational Communication in Health Institutions							
Week 6	09-13.03.2026	Leadership and Communication in Health Institutions							
Week 7	16-20.03.2026	Healthcare staff and patient communication							
Week 8	23-27.03.2026	Stress management in Healthcare Institutions							
Week 9	30.03-03.04.2026	Health Literacy, Critical Health Communication							
Week 10	06-10.04.2026	Midterm Exam							
Week 11	12-16.04.2026	Health Communication and Ethics							
Week 12	20-24.04.2026	Public Holiday							
Week 13	27.04-01.05.2026	Communication in Conflict Management in Health Institutions							
Week 14	04-08.05.2025	Patient safety and Communication in Health Institutions							
Week 15	11-15.05.2025	Communication in Risk and Crisis Periods in Health Institutions, Media and Health Communication							
Week 16	19-22.05.2025	Final Exam							
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)				
	Final Exam / Homework	1	19-22.05.2025	50	50				
	Semester Evaluation								
	Mid-term Exam	1	06-10.04.2026	35	35				
	Quiz(zes)	0		0	0				
	Project(s) - Presentation	1		15	15				
	Homework(s)	0		0	0				
	Laboratory	0		0	0				
Attendance	0		0	0					
*** Lifelong Learning Programme (LLP) ***						Language of Instruction:	English		
Evaluation Tool	Quantity	Student Workload Hours		Evaluation Tool	Quantity	Student Workload Hours			
Theoretical Hours	14	14*3=42		Applied Hours					
Midterm	1	15*1=15		Final	1	20*1=20			
Quiz				Project					
Laboratory				Homework					
Atelier				Seminar					
Field Study				Presentation	1	10*1=10			
Other				Self Study	14	14*2=28			

TOTAL :		115,0
Recommended ECTS Credit (Total Hours / 30) :	4	



EUROPEAN UNIVERSITY OF LEFKE

Physiotherapy and Rehabilitation - Faculty of Health Sciences

SYLLABUS

2025-2026 Spring Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule
			T	A	L			
PTR 404	Management and Organisation in Physiotherapy	Compulsory	2	0	2	2	4	Thursday 09:00-10:50
Prerequisite	Prerequisite to							
Course Lecturer	Assoc. Prof. Dr. Beliz Belgen Kaygısız					Office Hours Schedule	Friday 15:00-16:00	
E-mail	bkaygisiz@eul.edu.tr							
Phone	2568					Office / Room No		
Teaching Assistant						Phone		
E-mail						Office / Room No		
Catalogue Descriptions	This course covers to learn management and organizational structures in the health sector, hospitals and rehabilitation centers and to provide information about different models in physiotherapy and rehabilitation services. To gain the ability to analyze structures, to discuss different organizations in the classroom environment. Also to develop analysis and synthesis skills by gaining ability to do SWOT analysis.							
Objectives	1. Management activity planning, decision making, coordination, organization, execution, 2. By associating different management styles with physiotherapy and rehabilitation services 3. To be able to obtain information about organizations within the management activity 4. To be able to obtain information about total quality management and performance measurements 5. Gaining the							
Learning Outcomes	LO1- Gain knowledge about planning, decision making, coordination, organization, execution and supervision activities of management activity. LO2- Define different management styles by associating them with physiotherapy and rehabilitation services, participates in case studies within the group. LO3- Gain knowledge about total quality management and performance measurements. LO4- Gain the knowledge and skills to make SWOT Analysis related to the presentation or part of the profession, gains the ability to discuss the results by evaluating them in the classroom. LO5- Develop the ability to translate the solution proposals developed as a result of SWOT analysis into posters. LO6- Examine the organizational structures related to physiotherapy and rehabilitation services in							
Programme Outcome Relations	PO1: 5 PO2: 4 PO3: 5 PO4: 4 PO5: 3	PO6: 2 PO7: 4 PO8: 3 PO9: 1 PO10: 4	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.					
Textbooks and/or References	1	Presentation Notes						
	2							
	3							
WEEK	Date	TOPICS						Reference No - Section
Week 1	05/02/2026	Introduction and objectives of Course						1
Week 2	12/02/2026	Management and Organisation History and Foundations						1
Week 3	19/02/2026	Management in Hospitals						1
Week 4	26/02/2026	Management in Non-Governmental Civil Organisations						1,2
Week 5	05/03/2026	SWOT Analysis						1,2
Week 6	12/03/2026	Development of Different SWOT Analysis Projects						1,2
Week 7	19/03/2026	Development of Different SWOT Analysis Projects						1,2
Week 8	26/03/2026	Presentation of SWOT Analysis Project						1,2
Week 9	02/04/2026	Presentation of SWOT Analysis Project						1,2
Week 10	09/04/2026	Midterms						
Week 11	16/04/2026	Presentation of SWOT Analysis Project						1,2
Week 12	23/04/2026	Presentation of SWOT Analysis Project						1,2
Week 13	30/04/2026	Presentation of SWOT Analysis Project						1,2
Week 14	07/05/2026	Presentation of SWOT Analysis Project						1,2
Week 15	14/05/2026	Presentation of SWOT Analysis Project						1,2
Week 16	21/05/2026	Final Exam Week						
Evaluation Tools	Evaluation Tool	Quantity	Date			Weight in Total (%)	Weight in Semester Evaluation (%)	
	Final Exam	1	21/05/2026			60	100.0	
	Semester Evaluation							
	Midterm(s)	1	09/04/2026			40	100.0	
	Quiz(zes)							
	Project(s)							
	Homework							
	Laboratory works							
Attendance								
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:			English		
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours			
Theoretical lecturing hours (TLH)	28	56	Homework					
TLH self study	8	10	Project					
Quiz (Q)			Presentation	1	24			
Q preparation self study			Seminar					
Laboratory (L)			Tutorial					
L preparation work								
Midterm exam (ME)			Final exam (FE)	1	2			
ME preparation self study			FE preparation self study	1	28			
TOTAL :					120			
Recommended ECTS Credit (Total Hours / 30) :					4.00			



EUROPEAN UNIVERSITY OF LEFKE

SYLLABUS

2025-2026 Spring Semester

Course Code	Course Title	Course Type	Weekly Course Hours			Credits	ECTS	Weekly Time Schedule	
			T	A	L				
CFE202	Environment and Sustainable Development	Compulsory	3	0	0	3	4	Fridays 15.00-17.50 (ORTAAMFI)	
Prerequisite	Prerequisite to								
Course Lecturer	Asst. Prof. Dr. Semih OĞUZCAN					Office Hours Schedule	Monday 10.00-11.50 / Tuesday 13.00-14.50 / Friday 14.00-14.50		
E-mail	soguzcan@eul.edu.tr						Office / Room No	AS310	
Phone						Phone			
Teaching Assistant						Office / Room No			
E-mail									
Catalogue Descriptions	Ecology and sustainability, biodiversity, urbanization, ecological succession, climate and biodiversity, sustaining biodiversity, sustaining resources and environmental quality: food production, water resources and pollution, mineral sources, energy sources, environmental hazards and human health, air pollution, ozone depletion, climate change, solid and hazardous wastes								
Objectives	The purpose of this course is to give brief information about nature and environment along with sustainability concept. Help students gain awareness about environmental problems. It is aimed to inform students about daily practices that will lead to a more sustainable living.								
Learning Outcomes	On successful completion of the course, the student will be able to: (1) understand environmental problems (2) construct relationship between ecology, biodiversity and sustainability (3) apply principles of sustainability on various environmental issues (4) understand sustainable resources management: water, energy, minerals (5) understand how resource consumption affect air pollution and climate change understand advantages and disadvantages of different strategies in solid waste management (6)								
Programme Outcome Relations	PO1: 2 PO2: 3 PO3: PO4: PO5: 3 PO6: 3 PO7:	PO8: 3 PO9: 2 PO10: 3 PO11: PO12: PO13: PO15:	PO14:	(1) Strongly disagree; (2) Disagree; (3) Neither agree nor disagree; (4) Agree; (5) Strongly agree.					
Textbooks and/or References	1	G. Tyler Miller, Scott Spoolman, «Environmental Science», 15th Edition, Cengage Learning, 2016 (Textbook)							
	2	Jefferson W. Tester, Elisabeth M. Drake, Michael J. Driscoll, Michael W. Golay, and William A. Peters, «Sustainable Energy Choosing Among Options», 2nd Edition, MIT Press, 2012 . (Reference)							
WEEK	Date	TOPICS					Reference No - Section		
Week 1	06.02.2026	Introduction: environmental problems and sustainability, matter, energy and systems					1: 1, 2		
Week 2	13.02.2026	Ecosystems					1: 3		
Week 3	20.02.2026	Biodiversity					1: 4, 5		
Week 4	27.02.2026	The human population and urbanization					1: 6		
Week 5	06.03.2026	Climate change and biodiversity					1: 7		
Week 6	13.03.2026	Sustaining biodiversity					1: 8, 9		
Week 7/8/9/10	14-12/03-04/2026	Midterms							
Week 11	17.04.2026	Food production and environment					1: 10		
Week 12	24.04.2026	Water resources and water pollution					1: 11		
Week 13	01.05.2026	Labor Day					1: 12		
Week 14	08.05.2026	Energy resources & Environmental hazards and human health/Nonrenewable mineral resources					1: 13 & 1: 14		
Week 15	15.05.2026	Air pollution, climate change and ozone depletion & Solid and hazardous waste					1: 15 & 1: 16		
Week 16/17	16-25/05/2026	Final Exam							
Evaluation Tools	Evaluation Tool	Quantity	Date	Weight in Total (%)	Weight in Semester Evaluation (%)				
	Final Exam	1	16-25/05/2026	60					
	Semester Evaluation			40					
	Midterm(s)	1	14-12/03-04/2026	35	70,0				
	Quiz(zes)								
	Project(s)	1	30.04.2026	5	8,3				
	Homework(s)								
	Laboratory works								
Attendance									
*** Lifelong Learning Programme (LLP) ***			Language of Instruction:		English				
Evaluation Tool	Quantity	Student Workload Hours	Evaluation Tool	Quantity	Student Workload Hours				
Theoretical lecturing hours (TLH)	13	39	Homework						
TLH self study	13	52	Project	1	6				
Quiz (Q)			Presentation						
Q preparation self study			Seminar						
Laboratory (L)									
L preparation work									
Midterm exam (ME)	1	2	Final exam (FE)	1	2				
ME preparation self study	1	10	FE preparation self study	1	10				
TOTAL :					121				
Recommended ECTS Credit (Total Hours / 30) :					4				