ECTS COURSE DESCRIPTION FORM

PART I (Senate Approval)

Offering School	Antalya Bilim University	**Offering Department**	Physical Therapy and Rehabilitation
Program(s) Offered to	Physical Therapy and Rehabilitation ☐ ☐	☐	☐ ☐ ☐

Course Name	Pulmonary Rehabilitation	**Course Code**	FTR 327
Level of Course	Undergraduate	**Type of Course**	Theoric, Pratical
Language of Instruction	Turkish	**ECTS Credits**	3

Hours per Week	Lecture:	2	Practical:	2	Studio:	
	Laboratory:		Recitation:		Other:	

Pre-requisites	None	**Co-requisites**	None
Registration Restriction	None	**Grading Mode**	Letter Grade

Educational Objective	Recognition of pulmonary problem in patients with respiratory disease, evaluation of patients with proper assessment methods, planning and application of appropriate treatment protocols selection of techniques.
Course Description	Pathologies and functional deficiencies that cause cardiorespiratory system, respiratory system disorders are defined, evaluates the pulmonary system during exercise and rest; In the light of the evaluation results, it is aimed to gain the ability to draw and apply for the rehabilitation program.

Learning Outcomes		
	LO1	Explains basic concepts of pulmonary rehabilitation.
	LO2	Defines clinical features of lung diseases.
	LO3	Assesses the lung diseases in physical, physiologic, and functional respects comprehensiv- ely.
	LO4	Applies and plans physiotherapy and rehabilitation interventions on lung disorders.
	LO5	Assesses quality of life and psychosocial status of lung diseases.
	LO6	Uses energy reduction approaches in daily activities in patients with respiratory problems.
	LO7	

PART II (Faculty Board Approval)

		Program Outcomes	LO1	LO2	LO3	LO4	LO5	LO6	LO7
Basic Outcomes (University-wide)	PO1	Ability to communicate effectively and write and present a report in Turkish and English.							
	PO2	Ability to work individually, and in intra-disciplinary and multi-disciplinary teams.	✓						
	PO3	Recognition of the need for life-long learning and ability to access information, follow developments in science and technology, and continually reinvent oneself.	✓	✓	✓	✓	✓	✓	
	PO4	Knowledge of project management, risk management, innovation and change management, entrepreneurship, and sustainable development.	✓						
	PO5	Awareness of sectors and ability to prepare a business plan.							
	PO6	Understanding of professional and ethical responsibility and demonstrating ethical behavior.	✓	✓	✓	✓	✓	✓	
Faculty Specific Outcomes	PO7	Having universal thoughts and values	✓	✓					
	PO8	To be committed to academic and ethical values	✓	✓					
	PO9	To provide qualified education, research and consultancy services at universal information and technology standards	✓	✓	✓	✓			
	PO10	To be open to new goals, strategies and action plans that will take undergraduate and graduate education / training programs and scientific studies further	✓	✓					
	PO11	To support, maintain and increase interdisciplinary / multidisciplinary studies in the services provided.	✓	✓					
	PO12	To contribute and develop health policies for the benefit of the country.							
Program Specific Outcomes	PO13	Explains the theoretical knowledge about basic medicine and clinical sciences with the main lines and relates them to physiotherapy.							
	PO14	Applies Physiotherapy and Rehabilitation assessment methods, analyzes and interprets theoretical knowledge by associating	✓	✓	✓	✓	✓	✓	
	PO15	Plans and implements the individual physiotherapy and rehabilitation program	✓	✓		✓			
	PO16	Records and archives assessment and treatment data	✓		✓	✓	✓	✓	
	PO17	Plans, conducts and presents a scientific research	✓		✓	✓			
	PO18	Has effective communication skills	✓		✓	✓	✓	✓	
	PO19	Defines professional duties and responsibilities legally and applies them within the framework of ethical principles.	✓			✓	✓	✓	
	PO20	Has lifelong learning skills related to the profession	✓	✓		✓	✓	✓	
	PO21	Can use foreign language effectively to follow professional developments							

	PO22	Knows and applies quality, occupational health and safety issues related to the profession							

PART III (Department Board Approval)

	Subject	Week	Details of Course Contents	LO1	LO2	LO3	LO4	LO5	LO6	LO7
Course Contents, Contribution of Course Contents to Learning Outcomes, and Methods for Assessing Learning of Course Contents	S1	1	Course outline and notes, definition of pulmonary rehabilitation and components	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	
	S2	2	Pathophysiology, physiotherapy and rehabilitation of obstructive lung diseases	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	
	S3	3	Pathophysiology, physiotherapy and rehabilitation of restrictive lung diseases	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	
	S4	4	Assessment methods in pulmonar rehabilitation	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	
	S5	5	Exercise training in pulmonary rehabilitation, physical activity	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	
	S6	6	Breathing exercises, breathing retraining	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	
	S7	7	Airway clearance techniques I	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	
	S8	8	Midterm Exam Week	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	
	S9	9	Airway clearance techniques II	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	
	S10	10	Airway clearance techniques III	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	
	S11	11	Physiotherapy and rehabilitation in pulmonary thorax surgery	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	
	S12	12	Physiotherapy and rehabilitation in intensive care unit	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	
	S13	13	Physiotherapy and rehabilitation in neonates and pediatric patients with lung disorders	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	
	S14	14	Activities of daily living and energy expenditure	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	A1/A4	

	No	Type	Weight	Implementation Rule	Make-Up Rule
Assessment Methods, Weights in Grading Scheme, Implementation and Make-Up Rules	A1	Exam-Final Jury,Final Project	60%	One final exam is applied. Exam dates are announced by the faculty.	ABU's relevant regulation is applied.
	A2	Quiz			
	A3	Homework			
	A4	Midterm	40%	1 midterm exam (visa) is applied. Exam dates are announced by the faculty	ABU's relevant regulation is applied.
	A5	Project			
	A6	Presentation			
	A7	Attendence/Interaction			
	A8	Field Work			
	A9	Others			
		TOTAL	100%		

Evidence of Achievement of Learning Outcomes	At least one question from each subject is asked during the exams. A weighted average is calculated for each student based on the percentage of each assessment method. Students are required to collect a minimum score over 100, which is announced by the instructor, to pass the course. This score is determined based on class average.

Direct Conversion System ("DDS" in the regulation.)	☑	Relative Evaluation ("BDS" in the regulation.)	☐
A different method/system, not listed above, determined by the Faculty Member / Instructor (This method is explained below)			☐

Method for Determining Letter Grade

Success Grade Range	Letter Success Note	Success Coefficient	Success Assessment
	A+	4,00	Successful
95-100	A	4,00	Successful
85-94	A-	3,70	Successful
80-84	B+	3,30	Successful
75-79	B	3,00	Successful
65-74	B-	2,70	Successful
60-64	C+	2,30	Successful
55-59	C	2,00	Successful
50-54	C-	1,70	Passes
45-49	D+	1,30	Unsuccessful
40-44	D	1,00	Unsuccessful
0-39	F	0	Unsuccessful

	No	Method	Explanation	Total Hours
Teaching Methods, Student Work Load		Time expected to be allocated by instructor		
	1	Lecture	Lesson topics are explained by writing on the board or with a computer presentation. Sample questions are solved during the lesson.	28
	2	Interactive Lecture		
	3	Recitation		
	4	Laboratory		
	5	Practical	It includes lectures made by showing with applications.	28
	6	Field Work		
		Time expected to be allocated by student		
	7	Project		
	8	Homework		
	9	Pre-class Learning of Course Material	New topics are learned before being taught in the classroom.	25
	10	Review of Course Material	Topics are repeated to prepare for exams and assignments.	10
	11	Studio		
	12	Office Hour		
		Calculated ECTS Credit(s) Max. 3 Min. 3 Grand Total		91

IV. PART		
Instructor	**Name Surname**	
	E-mail	
	Phone Number	
	Office Number	
	Office Hours	
Course Materials	**Mandatory**	
	Recommended	Clini E, Holland AE, Pitta F, Troosters T. Textbook of Pulmonary Rehabilitation. Springer International Publishing : Imprint: Springer, 2018.
		Paediatrics. 4th ed. Edinburgh: Churchill Livingstone, 2011.
		5th ed. Elseiver: Italy, 2017.
		Harden, Beverley. Respiratory physiotherapy an on-call survival guide. 2nd ed. Churchill Livingstone: Edinburgh, 2008.
Other	**Scholastic Honesty**	Violations of scholastic honesty include, but are not limited to cheating, plagiarizing, fabricating information or citations, facilitating acts of dishonesty by others, having unauthorized possession of examinations, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students. Any for of scholastic dishonesty is a serious academic violation and will result in a disciplinary action. It is explained in Article 25 of the Directive on Associate and Undergraduate Programs of Antalya Bilim University.
	Students with Disabilities	Reasonable accommodations will be made for students with verifiable disabilities.
	Safety Issues	The course does not require any special security measures.
	Flexibility	Circumstances may arise during the course that prevents the instructor from fulfilling each and every component of this syllabus; therefore, the syllabus is subject to change. Students will be notified prior to any changes.