PULMONARY REHABILITATION

Course Name	**Code**	**Term**	**Theory (hours/week)**	**Application (hours/week)**	**Laboratory (hours/week)**		**ECTS**
Pulmonary Rehabilitation	**FTR 307**	**3.year/ 1.term Fall**	**2**	**2**	**-**		**4**
Prequisites							
Course language	Turkish						
Course type	Compulsory						
Learning and teaching strategies	Theory,Application						
Instructor (s)							
Course objective(Aim of course)	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.						
Learning outcomes	1. I. Explains basic concepts of pulmonary rehabilitation. 2. II. Defines clinical features of lung diseases. 3. III. Assesses the lung diseases in physical, physiologic, and functional respects comprehensively. 4. IV. Applies physiotherapy and rehabilitation interventions on lung disorders. 5. V. Assesses quality of life and psychosocial status of lung diseases. 6. VI. Provides energy conversation in daily activities in patients with respiratory problems. 7. VII. Uses accessory devices of physiotherapy and rehabilitation treatment in patients with respiratory problems						
References	1. Hodgkin JE, Celi BR, Connors GA. Pulmonary Rehabilitation: Guidelines to Success. 4th ed. St Louis, MO: Mosby, 2008. 2. Pryor JA, Prasad AS. Physiotherapy for Respiratory and Cardiac Problems: Adults and Paediatrics. 4th ed. Edinburgh: Churchill Livingstone, 2011. 3. American Association of Cardiovascular and Pulmonary Rehabilitation. Guidelines for Pulmonary Rehabilitation						

Course outline weekly:

Weeks	Topics
1. Week	Course outline and notes, definition of pulmonary rehabilitaion and components
2. Week	Pathophysiology and rehabilitation of obstructive lung diseases
3. Week	Pathophysiology and rehabilitation of restrictive lung diseases
4. Week	Assessment methods in pulmonar rehabilitation
5. Week	Exercise training in pulmonary rehabilitation, physical activity
6. Week	Exercise training in pulmonary rehabilitation, physical activity
7. Week	Breathing exercises, breathing retraining
8. Week	Airway clearance techniques I
9. Week	Airway clearance techniques II
10. Week	Rehabilitation in pulmonary surgery
11. Week	Rehabilitation in pulmonary surgery
12. Week	Pulmonary rehabilitation in intensive care unit
13. Week	Physiotherapy and rehabilitation in neonates and pediatric patients with lung disorders
14. Week	Activities of daily living and energy expenditure
15. Week	FINAL EXAM

ECTS (Student Work Load Table)

Activities	**Number**	**Duration**	**Total Work Load**
Course Duration (X14)	14	2	28
Laboratory			

Practice	14	2	28
Field Study			
Study Time Of Outside Of Class (Pre-Study, Practice, Etc.)			
Presentations (Video shoot/Poster preparation/Oral presentation, Etc.)			
Seminars			
Project			
Case study			
Role playing, Dramatization			
Writing articles, Critique			
Time To Prepare For Midterm Exam	1	6	6
Final Exam Preparation Time	1	13	13
Total Work Load (hour) / 25(s)	75 / 25		
ECTS	3		

Evaluation System

Mid-Term Studies	**Number**	**Contribution**
Midterm exams	1	%50
Quiz		

Laboratory		
Practice	1	%50
Field Study		
Course Internship (If There Is)		
Homework’s		
Presentation and Seminar		
Project		
Other evaluation methods		
Total Time To Activities For Midterm		100
Final works		
Final	1	%50
Homework		
Practice	1	%50
Laboratory		
Total Time To Activities For Midterm		100
Contribution Of Midterm Studies On Grades		%50
Contribution Of Final Exam On Grades		%50
Total		100

The relationship between learning outcomes and the program qualifications of the courses

Program Qualifications			**Learning outcomes**				
	L.O.1	**L.O. 2**	**L.O.3**	**L.O.4**	**L.O.5**	**L.O.6**	**L.O.7**
1. Sufficient background in basic- clinical medical sciences and physical therapy and rehabilitation discipline; ability to use theoretical and practical skills and knowledge in these fields with analytical thinking	**5**	**5**					
2. Ability to determine, define, formulate and solve the factors that affect health; ability to choose and apply evidence based techniques and new methods for this aim.			**5**	**5**	5	5	5
3. Ability to choose and use modern equipments, techniques and modalities for physiotherapy and rehabilitation practices; effectively use the informatique technologies.			**5**	**5**	5	5	5
4. Ability to design multidisciplinary research, keep records, collect appropriate data, analysis and interpret results.							
5. Ability to attain new knowledge, make literature reviews, use medical databases and sources of information devoted to medical- health sciences							
6. To work autonomously and effectively in health team and self confidence to take responsibility							
7. To internalize characteristically development, literate and lifelong learning; quality development,to contribute education and promotion programs in field,to internationalize their professional behavior.							
8. To have professional deontology and ethical awareness							

Contribution to the level of proficiency: 1. Lowest, 2. Low / Medium, 3. Average, 4. High, 5. Excellent