

Physiotherapy and Rehabilitation (Master) (with Thesis) (English)			
Master	TR-NQF-HE: Level 7	QF-EHEA: Second Cycle	EQF-LLL: Level 7

Course Introduction and Application Information

Course Code:	PHYS5035						
Course Name:	Neonatal and Pediatric Pulmonary Rehabilitation						
Semester:	Spring						
Course Credits:	<table border="1"> <tr> <td>ECTS</td> </tr> <tr> <td>8</td> </tr> </table>			ECTS	8		
ECTS							
8							
Language of instruction:	English						
Course Condition:							
Does the Course Require Work Experience?:	No						
Type of course:	Departmental Elective						
Course Level:	<table border="1"> <tr> <td>Master</td> <td>TR-NQF-HE:7. Master`s Degree</td> <td>QF- EHEA:Second Cycle</td> <td>EQF-LLL:7. Master`s Degree</td> </tr> </table>			Master	TR-NQF-HE:7. Master`s Degree	QF- EHEA:Second Cycle	EQF-LLL:7. Master`s Degree
Master	TR-NQF-HE:7. Master`s Degree	QF- EHEA:Second Cycle	EQF-LLL:7. Master`s Degree				
Mode of Delivery:	Face to face						
Course Coordinator:	Dr. Öğr. Üy. KÜBRA KARDEŞ						
Course Lecturer(s):	Prof. Dr. Serap İNAL						
Course Assistants:							

Course Objective and Content

Course Objectives:	The aim of the course for each student; Rehabilitation approaches in children with acute and chronic respiratory problems will be comprehensively reviewed.
Course Content:	Service and intensive care environment, life support equipment used in neonatal and pediatric patients, monitoring, clinical problems, evaluation of neonatal and pediatric patients,

physiotherapy and rehabilitation approaches, clinical decision making in different clinical problems.

Learning Outcomes

The students who have succeeded in this course;

- 1) Student completing course Applies appropriate evaluation for child's developmental level and clinical problem in children with acute and chronic respiratory problems.
- 2) Applies treatment approaches in children with acute and chronic respiratory problems.
- 3) Comprehends organization of pediatric pulmonary rehabilitation and intensive care, quality of life, patient and family education, ethics, and psychosocial issues.

Course Flow Plan

Week	Subject	Related Preparation
1)	Course outlines and notes, basic concepts in pediatric pulmonary rehabilitation	
2)	Evaluation of respiratory system in pediatric patients	
3)	Exercise testing in pediatric patients	
4)	Physiotherapy approaches in pediatric patients	
5)	Exercise training in pediatric patients	
6)	Developmental approaches in pediatric patients	
7)	Midterm	
8)	Life support systems in pediatric patients	
9)	Interventions in high risk pediatric patients, security and supervision	
9)	Interventions in high risk pediatric patients, security and supervision	
10)	Physiotherapy and rehabilitation evaluation in children with cystic fibrosis	
11)	Physiotherapy and rehabilitation applications in children with cystic fibrosis	
12)	Physiotherapy and rehabilitation evaluation in pediatric patients undergoing surgery	
13)	Physiotherapy and rehabilitation applications in pediatric patients undergoing surgery	
14)	Final exam	

Sources

Course Notes / Textbooks:	<ol style="list-style-type: none"> 1. Eleanor Main, Linda Denehy. Cardiorespiratory Physiotherapy: Adults and Paediatrics, 5th ed. Elsevier, 2016. 2. Ellen Hillegass. Essentials of Cardiopulmonary Physical Therapy, 3rd ed. Saunders, 2011. 3. Pryor JA, Prasad AS. Physiotherapy for Respiratory and Cardiac problems: Adults and Paediatrics. 4th ed. Edinburgh: Churchill Livingstone; 2008. 4. Walsh BK, Czervinske MP, Diblası RM. Perinatal and Pediatric Respiratory Care. 3rd ed. United States: Saunders; 2010. 5. Campbell S, Palisano RJ, Orlin M. Physical Therapy for Children. 4th ed. Elsevier: Saunders; 2012. 6. Hacettepe Üniversitesi, e-kaynaklar (Pubmed, WOS)
References:	<ol style="list-style-type: none"> 1. Eleanor Main, Linda Denehy. Cardiorespiratory Physiotherapy: Adults and Paediatrics, 5th ed. Elsevier, 2016. 2. Ellen Hillegass. Essentials of Cardiopulmonary Physical Therapy, 3rd ed. Saunders, 2011. 3. Pryor JA, Prasad AS. Physiotherapy for Respiratory and Cardiac problems: Adults and Paediatrics. 4th ed. Edinburgh: Churchill Livingstone; 2008. 4. Walsh BK, Czervinske MP, Diblası RM. Perinatal and Pediatric Respiratory Care. 3rd ed. United States: Saunders; 2010. 5. Campbell S, Palisano RJ, Orlin M. Physical Therapy for Children. 4th ed. Elsevier: Saunders; 2012. 6. Hacettepe Üniversitesi, e-kaynaklar (Pubmed, WOS)

Course - Program Learning Outcome Relationship

Course Learning Outcomes	1	2	3
Program Outcomes			
1) She/He has up-to-date reliable and evidence-based knowledge on Physiotherapy and Rehabilitation.			
2) She has the knowledge to apply evaluation and treatment methods in the field of physiotherapy, which she will specialize in.			
3) She/he has sufficient knowledge about the legislation related to physiotherapy practices.			
4) Makes evaluation and treatment program planning for individuals who require physiotherapy and rehabilitation by using the theoretical and applied knowledge specific to the field.			
5) It directs professional evaluation, treatment and practices according to technological developments and health policies.			
6) Analyzes problems and reflects them into practice by using field-specific knowledge and skills.			

7) She/he works independently and takes responsibility by using her knowledge in the field of physiotherapy.	1	2	3
Course Learning Outcomes			
8) Conducts research in the field of physiotherapy and rehabilitation, plans and manages project design and execution.			
9) Develops new ideas in the field of physiotherapy and evaluates information sources with a critical approach.			
10) Adopts lifelong learning and uses professional knowledge effectively and sets learning goals.			
11) Expresses herself/himself effectively by using communication technologies by following resources on physiotherapy and rehabilitation.			
12) Follows current developments in the field of health and communicates in interdisciplinary cooperation with a sense of social responsibility.			
13) It acts in accordance with the legislation and professional ethical rules in cooperation with the relevant disciplines, taking into account the duties, rights and responsibilities in the physiotherapy and rehabilitation practices in which it is specialized.			
14) It applies professional integrity and responsibility for the well-being of the individual, providing safety at every stage and creating the right model.			

Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Average	3 Highest

	Program Outcomes	Level of Contribution
1)	She/He has up-to-date reliable and evidence-based knowledge on Physiotherapy and Rehabilitation.	3
2)	She has the knowledge to apply evaluation and treatment methods in the field of physiotherapy, which she will specialize in.	3
3)	She/he has sufficient knowledge about the legislation related to physiotherapy practices.	3
4)	Makes evaluation and treatment program planning for individuals who require physiotherapy and rehabilitation by using the theoretical and applied knowledge specific to the field.	2
5)	It directs professional evaluation, treatment and practices according to technological	3

	developments and health policies.	
6)	Analyzes problems and reflects them into practice by using field-specific knowledge and skills.	2
7)	She/he works independently and takes responsibility by using her knowledge in the field of physiotherapy.	1
8)	Conducts research in the field of physiotherapy and rehabilitation, plans and manages project design and execution.	2
9)	Develops new ideas in the field of physiotherapy and evaluates information sources with a critical approach.	2
10)	Adopts lifelong learning and uses professional knowledge effectively and sets learning goals.	3
11)	Expresses herself/himself effectively by using communication technologies by following resources on physiotherapy and rehabilitation.	1
12)	Follows current developments in the field of health and communicates in interdisciplinary cooperation with a sense of social responsibility.	2
13)	It acts in accordance with the legislation and professional ethical rules in cooperation with the relevant disciplines, taking into account the duties, rights and responsibilities in the physiotherapy and rehabilitation practices in which it is specialized.	3
14)	It applies professional integrity and responsibility for the well-being of the individual, providing safety at every stage and creating the right model.	2

Assessment & Grading

Değerlendirme Yöntemleri ve Kriterleri	Number of Activities	Level of Contribution
Midterms	1	% 40
Final	1	% 60
total		% 100

Workload and ECTS Credit Calculation

Activities	Number of Activities	Workload
Course Hours	14	42
Study Hours Out of Class	14	140

Midterms	1	2
Final	2	4
Total Workload		188