

PHYSIOTHERAPY IN ORTHOPEDICS AND SPORTS

Course Name	Code	Term	Theory (hours/week)	Application (hours/week)	Laboratory (hours/week)	ECTS
Physiotherapy in Orthopedics and Sports	FTR 313	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)	Providing to comprehend and to transfer application of basic procedures in evaluation methods of musculoskeletal system injuries and orthopaedic problems which needs surgical intervention or not; developing competence and skills to select and to apply the most appropriate and surgery specific physiotherapy and rehabilitation program and interventions					
Learning outcomes	<ol style="list-style-type: none"> 1. After completing this course, the student: I. is be able to describe general orthopaedic problems 2. II. can explain musculoskeletal system injuries and degenerative joint diseases and knows related complications of these problems 3. III. is 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. 4. IV. comprehends and apply general and pathology-specific evaluation and measurement methods in ortopaedic problems 5. V. knows 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 6. VI. determines and apply the most appropriate physiotherapy and rehabilitation program dependent upon pathology and situation for the patients undergone surgical interventions or not 					
References	<p>C. Algun (ed.), Uygulamalı Fizik Tedavi Rehabilitasyon, Ankara, H.Ü. Fizik Tedavi ve Rehabilitasyon Yüksekokulu Yayınları:6, 1991, Ss: 63-69.</p> <p>Tidy's Fizyoterapi (eds).Yakut E, Kayhan H., Pelikan Tıp ve Teknik Kitapçılık Tic.Ltd.Şti., Bakanlıklar Ankara, Şubat 2008, Ss.401-421.</p>					

Course outline weekly:

Weeks	Topics
1. Week	Rehabilitation of upper and lower extremity fracture
2. Week	Rehabilitation of upper and lower extremity fracture
3. Week	Some tests used in orthopedics, physiotherapy of soft tissue problems
4. Week	Physiotherapy and rehabilitation of the shoulder joint and shoulder problems
5. Week	Physiotherapy and rehabilitation in the knee joint and knee problems
6. Week	Physiotherapy and rehabilitation of ankle injuries ligament
7. Week	Physiotherapy and rehabilitation in arthroplasty
8. Week	Physiotherapy and rehabilitation in arthroplasty
9. Week	Classification of sports injuries
10. Week	The formation of the field of injury
11. Week	Soft tissue injuries and soft tissue healing
12. Week	Pre-treatment principles and first aid treatment, definitive treatment, rehabilitation
13. Week	Cruciate ligament injuries and rehabilitation
14. Week	Physiotherapy and rehabilitation of sports injuries
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.)	14	1	14
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	10	10
Final Exam Preparation Time	1	20	20
Total Work Load (hour) / 25(s)	100 / 25		
ECTS	4		

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
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	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
3. Ability to choose and use modern equipments, techniques and modalities for physiotherapy and rehabilitation practices; effectively use the informatique technologies.					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							
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Contribution to the level of proficiency: 1. Lowest, 2. Low / Medium, 3. Average, 4. High, 5. Excellent