FTR313 - 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, Demonstration						
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	The students; 1. Explains musculoskeletal system injuries and degenerative joint diseases and knows related complications of these problems 2. comprehends and apply general and pathology-specific evaluation and measurement methods in ortopaedic problems 3. determines and apply the most appropriate physiotherapy and rehabilitation program dependent upon pathology and situation for the patients undergone surgical interventions or not						
References	Ayşe Karaduman, Öznur Tunca Yılmaz. Fizyoterapi ve rehabilitasyon : ortopedik rehabilitasyon pediatrik rehabilitasyon 2. Ankara : Pelikan Yayıncılık, 2016 Gül Baltacı. Omuz yaralanmalarında rehabilitasyon. Ankara : Pelikan Tıp, 2015 Gül Baltacı. Diz yaralanmalarında rehabilitasyon. Ankara : Hipokrat Kitabevi, 2016 Volga Bayrakcı Tunay, Zafer Erden, Cemil Yıldız. Alt ekstremite yaralanmalarında rehabilitasyon. Ankara : Hipokrat Kitabevi, 2017						

Course outline weekly:

Weeks	Topics
1. Week	Some tests used in orthopedics, physiotherapy of soft tissue problems
2. Week	Rehabilitation of upper extremity fracture
3. Week	Rehabilitation of lower extremity fracture
4. Week	Physiotherapy and rehabilitation of the upper extremity (shoulder, elbow, hand-wrist) problems
5. Week	Physiotherapy and rehabilitation of the upper extremity (shoulder, elbow, hand-wrist) problems
6. Week	Physiotherapy and rehabilitation in the lower extremity (hip, knee, foot-ankle) problems
7. Week	Physiotherapy and rehabilitation in the lower extremity (hip, knee, foot-ankle) problems
8. Week	Midterm Exam
9. Week	Assessment and diagnosis methods of the vertebral column
10. Week	Physiotherapy and rehabilitation of the vertebral column problems
11. Week	Physiotherapy and rehabilitation in hip-knee arthroplasties
12. Week	Soft tissue injuries and soft tissue healing
13. Week	Diagnosis and treatment of the Soft tissue
14. Week	Ligament injuries and rehabilitation
15. Week	An overview

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 = 4		
ECTS	4		

Evaluation System

Mid-Term Studies	**Number**	**Contribution**
Midterm exams	0	%100
Quiz		
Laboratory		
Practice		
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		%40
Contribution Of Final Exam On Grades		%60
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**
1-Acquire proficient infrastructure related to the field of Physiotherapy and Rehabilitation, gain the ability to use theoretical and practical knowledge and skills in this field.	**5**	**5**	**5**
2-Identify, define the factors affecting health and gain problem-solving skill by using the information they have; plan and implement a treatment and exercise program with appropriate evidence-based methods and new techniques.	**5**	**5**	**5**
3-Gain the ability to use information technologies effectively, as well as the ability to select and use modern tools, techniques and agents necessary for physiotherapy and rehabilitation applications.	**5**	**5**	**5**
4-Design individual and multidisciplinary research, keep records, prepare reports, analyze and interpret results for quality service and research in health sciences.			
5-They conduct a literature search to access the information by using evidence-based databases and information sources.			
6-Gain autonomy in interdisciplinary and individual studies, ability to work effectively and take responsibility and awareness of the universal and social effects of their professional practice.			
7-Adopt life-long learning; contribute to quality improvement, field-related training and introductory programs and exhibit their professional behavior at national and international level.			
8-Have deontological and ethical awareness in professional researches and applications.			

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