

COURSE INFORMATION					
Course Title	Code	Semester	COURSE INFORMATION		
			Lecture+Practice+Labrotory Hour	Credits	ECTS
PHYSICAL MEDICINE AND REHABILITATION (Clinical Clerkship)	MED 511	5/9-10	19+25	3	3*

\* ECTS credits are the university credits of the courses in Yeditepe University, Faculty of Medicine, Undergraduate Medical Education Program

<b>Prerequisites</b>	The student that joins this course should have at least the Phase 4 knowledge level in medical faculty.
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<b>Language of Instruction</b>	English
<b>Course Level</b>	Second-cycle higher education (i.e. QF-EHEA-2, EQF-LLL-7, TYYÇ-7) with Master's Degree/ "Regulated Professions" legislation by EU 2005/36/EC Directive
<b>Course Type</b>	Compulsory
<b>Course Coordinator</b>	Kübra Neslihan KURT OKTAY, MD. Assist. Prof.
<b>Instructors</b>	Yeditepe University Hospital: <ul style="list-style-type: none"> <li>• Kübra Neslihan KURT OKTAY, MD. Assist. Prof.</li> <li>• Sanem Aslihan AYKAN, MD. Assist. Prof.</li> </ul> University of Health Sciences, Fatih Sultan Mehmet Training and Research Hospital: <ul style="list-style-type: none"> <li>• Feyza AKAN BEGOĞLU, MD.</li> </ul>
<b>Assistants</b>	-
<b>Goals</b>	<ul style="list-style-type: none"> <li>• To convey necessary knowledge on pathology, symptomatology, clinical findings and treatment of musculoskeletal system diseases,</li> <li>• To equip students with basic knowledge, skills and attitudes on musculoskeletal rehabilitation, neurologic and rheumatological rehabilitation.</li> <li>• To equip students with general approach to patients with physical disabilities.</li> </ul>
<b>Content</b>	For further details please see Academic Program Book of Phase V at <a href="http://med.yeditepe.edu.tr/sites/default/files/phase_5_0.pdf">http://med.yeditepe.edu.tr/sites/default/files/phase_5_0.pdf</a>

**Week 1**

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
09.00 - 09.50	<b>Introductory Session</b> (Introduction to PMR) (FSM) <i>F. Akan Begoglu</i>	<b>Lecture</b> Rehabilitation of Neurologic Diseases (FSM) <i>F. Akan Begoglu</i>	<b>Lecture</b> Inflammatory Joint Diseases (FSM) <i>F. Akan Begoglu</i>	<b>Lecture</b> Therapeutic Exercises (FSM) <i>S.A. Aykan</i>	<b>Ward Round Inpatient</b> (FSM) <i>F. Akan Begoglu</i>
10.00 - 10.50	<b>Lecture</b> Musculoskeletal (Locomotor) System Symptoms and Signs, (FSM) <i>F. Akan Begoglu</i>	<b>Lecture</b> Rehabilitation of Neurologic Diseases (FSM) <i>F. Akan Begoglu</i>	<b>Lecture</b> Spondyloarthropathies (FSM) <i>F. Akan Begoglu</i>	<b>Lecture</b> Pain Pathophysiology, Classification and Treatment (YU) <i>S. A. Aykan</i>	<b>Ward Round Inpatient</b> (FSM) <i>F. Akan Begoglu</i>
11.00 - 11.50	<b>Lecture</b> Musculoskeletal (Locomotor) System Examination (FSM) <i>F. Akan Begoglu</i>	<b>Lecture</b> Rehabilitation of Disease of Spine and Spinal Cord (FSM) <i>F. Akan Begoglu</i>	<b>Lecture</b> Spondyloarthropathies (FSM) <i>F. Akan Begoglu</i>	<b>Lecture</b> Drug Use in Musculoskeletal System Disorders (YU) <i>S.A.Aykan</i>	<b>Ward Round PTU</b> (FSM) <i>F. Akan Begoglu</i>
12.00 - 14.00	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
14.00 - 14.50	<b>Lecture</b> Diagnosis and Treatment of Cervical and Upper Extremity Pain (YU) <i>K.N.Kurt Oktay</i>	<b>Lecture</b> Radiologic Evaluation of Musculoskeletal Disorders (YU) <i>S.A Aykan</i>	<b>Lecture</b> Degenerative Arthritis (YU) <i>K.N. Kurt Oktay</i>	<b>Lecture</b> Peripheral Nerve Diseases (YU) <i>K.N. Kurt Oktay</i>	<b>Clinical Experience (Outpatient)</b> (YU) <i>S.A.Aykan</i>

15.00 – 15.50	<b>Lecture</b> Differential Diagnosis and Treatment of Lowback and Lower Extremity Pain (YU) <i>K.N. Kurt Oktay</i>	<b>Lecture</b> Physical Agents, Orthotic and Prosthetic Use in Rehabilitation (YU) <i>S.A Aykan</i>	<b>Lecture</b> Osteoporosis and Metabolic Diseases (YU) <i>K.N. Kurt Oktay</i>	<b>Lecture</b> Peripheral Nerve Diseases (YU) <i>K.N. Kurt Oktay</i>	<b>Clinical Experience (Outpatient) (YU)</b> <i>S.A.Aykan</i>
16.00 - 17.50	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>

**Week 2**

	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>
09.00 - 09.50	<b>Practical Education</b> Neurological Examination of Patients With Spinal cord Injury (FSM) <i>F. Akan Begoglu</i>	<b>Ward Round (FSM)</b> <i>F. Akan Begoglu</i>	<b>Ward Round (FSM)</b> <i>F. Akan Begoglu</i>	<b>Ward Round (FSM)</b> <i>F. Akan Begoglu</i>	<b>Assessment Session (YU)</b>
10.00 - 10.50	<b>Practical Education</b> Neurological Examination of Patients With Hemiplegia (FSM) <i>F. Akan Begoglu</i>	<b>Ward Round (FSM)</b> <i>F. Akan Begoglu</i>	<b>Ward Round (FSM)</b> <i>F. Akan Begoglu</i>	<b>Ward Round (FSM)</b> <i>F. Akan Begoglu</i>	

11.00 - 11.50	<b>Practical Education</b> Gait abnormalities and orthosis (Hemiplegia, Cerebral Palsy etc..) (FSM) <i>F. Akan Begoglu</i>	<b>Clinical Experience (Outpatient)</b> (FSM) <i>F. Akan Begoglu</i>	<b>Clinical Experience (Outpatient)</b> (FSM) <i>F. Akan Begoglu</i>	<b>Clinical Experience (Outpatient)</b> (FSM) <i>F. Akan Begoglu</i>	
12.00 - 14.00	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>	<b>Lunch</b>
14.00 - 14.50	<b>Clinical Experience (Outpatient)</b> (FSM) <i>F. Akan Begoglu</i>	<b>Practical Education</b> Physical Examination of Upper and Lower Extremity (YU) <i>K.N.Kurt Oktay</i>	<b>Practical Education</b> Therapeutic Exercises (YU) <i>S.A. Aykan</i>	<b>Clinical Experience (Outpatient)</b> (YU) <i>K.N. Kurt Oktay</i>	<b>Program Evaluation Session Review of the Exam Questions, Evaluation of the Program (YU)</b>
15.00 - 15.50	<b>Clinical Experience (Outpatient)</b> (FSM) <i>F. Akan Begoglu</i>	<b>Clinical Experience (Outpatient)</b> (YU) <i>K.N. Kurt Oktay</i>	<b>Clinical Experience (Outpatient)</b> (YU) <i>S.A Aykan</i>	<b>Clinical Experience (Outpatient)</b> (YU) <i>K.N. Kurt Oktay</i>	
16.00 - 17.50	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	<b>Independent Learning</b>	

**YU:** Yeditepe University, Koşuyolu and Kozyatağı Hospital  
**FSM:** Fatih Sultan Mehmet Training And Research Hospital  
**PTU:** Physical Therapy Unit

<b>COURSE CONTENT (Theoretical)</b>		
<b>WEEK 1 SUBJECT</b>		<b>Study Materials</b>
<b>1</b>	<b>Introductory Session</b> (Introduction to Physical Medicine and Rehabilitation)	Materials for the course provided by instructor
<b>1</b>	<b>Lecture</b> Musculoskeletal (Locomotor) System Symptoms and Signs	Materials for the course provided by instructor
<b>1</b>	<b>Lecture</b> Musculoskeletal (Locomotor) System Examination	Materials for the course provided by instructor
<b>1</b>	<b>Lecture</b> Diagnosis and Treatment of Cervical and Upper Extremity Pain	Materials for the course provided by instructor
<b>1</b>	<b>Lecture</b> Differential Diagnosis and Treatment of Low back and Lower Extremity Pain	Materials for the course provided by instructor
<b>1</b>	<b>Lecture</b> Rehabilitation of Neurologic Disease	Materials for the course provided by instructor
<b>1</b>	<b>Lecture</b> Rehabilitation of Diseases of Spine and Spinal Cord	Materials for the course provided by instructor
<b>1</b>	<b>Lecture</b> Radiologic Evaluation of Musculoskeletal Disorders	Materials for the course provided by instructor
<b>1</b>	<b>Lecture</b> Physical Agents, Orthotic and Prosthetic Use in Rehabilitation	Materials for the course provided by instructor
<b>1</b>	<b>Lecture</b> Inflammatory Joint Diseases	Materials for the course provided by instructor
<b>1</b>	<b>Lecture</b> Spondyloarthropathies	Materials for the course provided by instructor
<b>1</b>	<b>Lecture</b> Degenerative Arthritis	Materials for the course provided by instructor
<b>1</b>	<b>Lecture</b> Osteoporosis and Metabolic Diseases	Materials for the course provided by instructor
<b>1</b>	<b>Lecture</b> Therapeutic Exercises	Materials for the course provided by instructor
<b>1</b>	<b>Lecture</b> Peripheral Nerve Diseases	Materials for the course provided by instructor
<b>1</b>	<b>Lecture</b> Pain Pathophysiology, Classification and Treatment	Materials for the course provided by instructor
<b>1</b>	<b>Lecture</b> Drug Use in Musculoskeletal System Disorders	Materials for the course provided by instructor

<b>RECOMMENDED SOURCES</b>	
<b>Textbook</b>	<ul style="list-style-type: none"> <li>• CURRENT Diagnosis &amp; Treatment: Physical Medicine &amp; Rehabilitation, Ian B. Maitin, Ernesto Cruz</li> <li>• Braddom's Physical Medicine and Rehabilitation, David X. Cifu</li> <li>• DeLisa's Physical Medicine and Rehabilitation: Principles and Practice, Walter Frontera</li> </ul>
<b>Additional Resources</b>	<ul style="list-style-type: none"> <li>• Lecture notes</li> </ul>

<b>MATERIAL SHARING</b>	
<b>Documents</b>	Via google classroom
<b>Assignments</b>	Via google classroom
<b>Exams</b>	Not shared

<b>ASSESSMENT</b>	
<b>Questions Types (Pencil-Paper Tests)</b>	<b>Proportion (in Pencil-Paper Tests)</b>
Multiple Choice Questions	100%
<b>Total</b>	<b>100 %</b>
<b>Other Assessment Methods and Tools</b>	<b>Proportion (in Pass/Fail Decision)</b>
Oral Exam	50%
<b>Total</b>	<b>50 %</b>
<b>Pass/Fail Decision</b>	<b>Proportion (in Pass/Fail Decision)</b>
Pencil-Paper Tests	50%
Other Assessments Methods and Tools	50%
<b>Total</b>	<b>100%</b>

**COURSE CATEGORY**Expertise/Field Courses  
Compulsory

<b>COURSE'S CONTRIBUTION TO PROGRAMME</b>						
No	Program Learning Outcomes	Contribution				
		1	2	3	4	5
<b>1.</b>	<b>Basic Professional Competencies</b>					
1.1.	Clinical Competencies					x
1.2.	Competencies Related to Communication				x	
1.3.	Competencies Related to Leadership and Management			x		
1.4.	Competencies Related to Health Advocacy				X	
1.5.	Competencies Related to Research			x		
1.6.	Competencies Related to Health Education and Counseling				x	
<b>2.</b>	<b>Professional Values and Perspectives</b>					
2.1.	Competencies Related to Law and Legal Regulations			x		
2.2.	Competencies Related to Ethical Aspects of Medicine				x	
2.3.	Competencies Related to Social and Behavioral Sciences					x
2.4.	Competencies Related to Social Awareness and Participation					x
2.5.	Competencies Related to Professional Attitudes and Behaviors					x
<b>3.</b>	<b>Personal Development and Values</b>					
3.1	Competencies Related to Lifelong Learning					x
3.2.	Competencies Related to Career Management				x	
3.3.	Competencies Related to Protection and Development of Own Physical and Mental Health				x	

**ECTS ALLOCATED BASED ON STUDENT WORKLOAD BY THE COURSE DESCRIPTION**

Activities	Quantity or day	Duration (Hour)	Total Workload (Hour)
Course Duration (2 weeks)	10	4.5	45
Hours for off-the-classroom study (Pre-study, practice, review/week)	10	4	40
Homework	-	-	-

Exam	1	1	1
<b>Total Work Load</b>			86
<b>Total Work Load / 30 (h)</b>			2.87
<b>ECTS Credit of the Course</b>			3