



**MUĞLA SITKI KOÇMAN UNIVERSITY FACULTY of MEDICINE
PHASE V
ENGLISH MEDICINE PROGRAM**

**COURSE of PHYSICAL MEDICINE AND
REHABILITATION
2022/2023 Academic Year
COURSE GUIDEBOOK**

Course Code: 5008

Course Topic Code: MED5- FTR

***This guide has been prepared by the Department of PHYSICAL MEDICINE AND REHABILITATION Course Purpose, Target, Outcomes, Training and Education Contents, Methods, Educational Activities, Measurement and Evaluation Techniques, Course Logbook, Program Qualifications Matrix, Matching the Courses with NCEP 2020, Matching the Courses with the Course Objectives and Outcomes, Matching the Course Achievements with Measurement Techniques, Course Notification Form, Vertical/Horizontal Integration Status of Courses and Course Schedules were declared on 15.06.2022.**

PREFACE

Dear Students,

Welcome to the Physical Medicine and Rehabilitation course which is an important part of your education.

In this course program, which is going to continue for 2 weeks, we aim to give the basic education of the course program in all aspects of theoretical courses and practical applications. This guide describes what you will learn and perform during your course, the rules you must follow in our clinic, and the working conditions. We wish you all success with the belief that this guide will guide you sufficiently through your course studies.

**Department of Physical
Medicine and Rehabilitation**

GENERAL INFORMATION on COURSE

Course Title	:Physical Medicine and Rehabilitation
Main Department of Course	: Internal Medical Sciences
Department Responsible for Course	: Physical Medicine and Rehabilitation
Course Code	: MED-5008
Course Type	: Required
Duration of the Course	: 2 weeks
Teaching Method of the Course	: Formal
ECTS	: 3
Language	: English
Head of the department	: Assoc. Prof. Dr. Gönen Mengi
Teaching Staff	:

Teaching Staff	Subject area	Theoretical Course duration (Hours)
Assoc. Prof. Dr. Gönen Mengi	Physical Medicine and Rehabilitation	23
Assist. Prof. Dr. Hüseyin Aydoğmuş	Physical Medicine and Rehabilitation	23

Coordinator of the Department Education Program	: Assoc. Prof. Dr. Gönen Mengi
Coordinator of the Course Education Program	: Assoc. Prof. Dr. Gönen Mengi
Coordinator of the Course Examinations	: Assist. Prof. Dr. Hüseyin Aydoğmuş
Coordinator of Course Assessment and Evaluation	: Assoc. Prof. Dr. Gönen Mengi

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TEACHING METHODS-TECHNIQUES

1. Theoretical lessons
2. Learning Centered Teaching
 - a. Case-based discussion sessions
 - b. Student case reports,
 - c. Practical application at the bedside
 - d. Practical application at the bedside in the outpatient clinic
3. Interactive teaching

PHYSICAL SPACES

Teaching Activity	Physical Space	Explanation
Theoretical lessons	Training and Research Hospital	1st floor Service - Classroom
Inpatient bedside practice	Training and Research Hospital	-3rd Floor Physical Medicine and Rehabilitation Clinic
Policlinic	Training and Research Hospital	Training and Research Hospital Ground Floor Physical Medicine and Rehabilitation Polyclinics
Case analysis	Training and Research Hospital	Training and Research Hospital Ground Floor Physical Medicine and Rehabilitation Polyclinics
Problem-based teaching		
Special audit applications	Training and Research Hospital	Training and Research Hospital Ground Floor Physical Medicine and Rehabilitation Polyclinics
Private field applications	Training and Research Hospital	Training and Research Hospital Ground Floor Physical Medicine and

		Rehabilitation Polyclinics
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RELATED LEGISLATION

<http://www.tip.mu.edu.tr/tr/ilgili-mevzuat-6641>

AIM(S) of the COURSE

1	In this course, it is aimed that the students have the necessary knowledge and skills to comprehend the basics of approach to common diseases related to the field of physical medicine and rehabilitation, to be able to make practical application and treatment approaches at the primary care level, and to distinguish patients who need referral to a higher level within the scope of the National CEP.
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OBJECTIVE(S) of the COURSE

1	To be able to take medical history, perform physical examination, evaluate basic imaging and laboratory tests in diseases related to Physical Medicine and Rehabilitation.
2	To be able to apply basic treatment principles to Physical Medicine and Rehabilitation patients.
3	To be able to explain the anatomy and physiology of the musculoskeletal system.
4	To be able to explain concepts of illness, disability, disability, and rehabilitation.
5	To be able to recognize the medical conditions that cause disability and require rehabilitation, to make the necessary guidance.
6	To be able to explain rheumatic diseases.
7	To be able to explain the interventional procedures related to the musculoskeletal system.

INTENDED LEARNING OUTCOME(S)

1	Can take medical history, perform physical examination, can evaluate basic imaging and laboratory tests in diseases related to Physical Medicine and Rehabilitation.
2	Can apply basic treatment principles to Physical Medicine and Rehabilitation patients.
3	Can explain the anatomy and physiology of the musculoskeletal system.
4	Can explain concepts of illness, disability, disability, and rehabilitation.
5	Can recognize the medical conditions that cause disability and require rehabilitation, to make the necessary guidance.
6	Can explain rheumatic diseases.
7	Can explain the interventional procedures related to the musculoskeletal system.

DUTIES AND RESPONSIBILITIES OF STUDENTS

Duration of course is 2 weeks.

In addition to the theoretical courses, “patient practice” courses are carried out during the course.

Students are responsible for completing the course logbook for each application during the course.

During the course, students are expected to comply with the dress code and to have a white coat, stethoscope for examination or additional equipment with them during the bedside practice hours.

Student who is assigned with bedside history taking and physical examination in the service, is expected to present patient information, differential diagnoses, and diagnosis of the patient during the next day's visit.

In outpatient clinic practices, students are expected to present their thoughts on diagnosis and treatment by taking a history and performing a physical examination.

During the course program (if no change is notified by the relevant faculty member during the course period), students are expected to fully present for theoretical or practical application. According to the regulation, there is an attendance requirement of 70% in theoretical courses and 80% in applied courses in Phase V.

RECOMMENDED RESOURCE(S)

KEY RESOURCE(S)

KEY RESOURCE(S)	Matched Course Outcome(s)
Hochberg M, Rheumatology, 7th Edition, 2019, Elsevier	1,2,3,5,6,7
Braddom RL, Physical Medicine&Rehabilitation, 3rd Edition, 2007, Saunders Elsevier	1,2,3,5,6,7
Beyazova M, Gökçe-Kutsal Y, Fiziksel Tıp ve Rehabilitasyon, 2016, Güneş Kitabevi	1,2,3,5,6,7

ADDITIONAL RESOURCE(S)

ADDITIONAL RESOURCE(S)	Matched Course Outcome(s)
Hasan Oğuz, Tıbbi Rehabilitasyon, Üçüncü baskı, 2015, Nobel Kitabevi	1,2,3,5,6,7

ASSESSMENT and EVALUATION

Assessment and Evaluation in the End of Course Evaluation Exam

Assessment and Evaluation Method	Explanation	Role in the End of Course Evaluation	% Value for the End of Course Evaluation
Attendance to Classes		Compulsory	
Course Logbook		Compulsory	
Multiple Choice Theoretical Test Exam*	Multiple choice questions		50
Bedside Clinical Practice Exam**	Taking history and making a physical examination from the patient in the service		5
Structured Oral Examination***	Under the supervision of at least two faculty members		45
Total			100

Availability of Course Logbook, Place of Course Report in Course Assessment and Evaluation Principles

For the right to take the written exam, the student must be evaluated as “adequate” from the criteria specified in the course report.

Existence of Attendance Requirement and Its Place in Course Assessment-Evaluation Principles

It is stated at the beginning of the course that the student who is absent from the courses will not be taken to the written exam.

The Effect of the Assessment and Evaluation Methods to be Applied on the Success Status at the End of the Course

In order to be successful in the course, it is required to get at least 60 points at each stage of the course exams. A student whose score is 59 and below in an assessment-evaluation technique is not allowed to participate in the other exam phase.

1 st stage: Multiple Choice Theoretical Test Exam.

2 nd stage: Structured Oral Examination + Bedside Clinical Practice Exam

Assessment and Evaluation in Resit Examination

Assessment and Evaluation Method	Explanation	Role in the End of Course Evaluation	% Value at the End of Course Evaluation
Multiple Choice Theoretical Test Exam*	Multiple choice questions		50
Structured Oral Examination**	Under the supervision of at least two faculty members		50
Total			%100

Assessment and Evaluation in Single Course Resit Exam

Assessment and Evaluation Method	Explanation	Role in the End of Course Evaluation	% Value at the End of Course Evaluation
Multiple Choice Theoretical Test Exam*	Multiple choice questions		50
Structured Oral Examination**	Under the supervision of at least two faculty members		50
Total			%100

COURSE LOGBOOK

STUDENT'S NAME AND SURNAME :

STUDENT'S SCHOOL NO :

COURSE PERIOD :

APPLICATION	NCEP Clause	TEACHING STAFF (SIGNATURE)
DATE		
1. Taking general and problem-oriented history	A1	
2. Musculoskeletal examination	B14	
3. To be able to provide consultancy on disability report	C4	
4. To be able to prepare health reports in accordance with current legislation	C6	
5. Being able to prepare a patient file	C7	
6. Ability to edit prescription	C9	
7. Evaluation of direct radiographs	D4	
8. Filling the request form for laboratory examination	D9	
9. Ability to make rational, laboratory and imaging requests	E5	
10. Invalidity assessment	F9	
11. Exercise and physical activity	H3	

DECISION: PASS FAIL

Head of Department or Coordinator:

Date:

Signature:

Faculty of Medicine
English Medicine Program
Phase V
PHYSICAL MEDICINE AND REHABILITATION
COURSE
Competence Matrix

The Name of the Course	Po1	Po2	Po3	Po4	Po5	Po6	Po7	Po8	Po9	Po10	Po11	Po12	Po13
Physical Medicine and Rehabilitation	4	4	5	3	5	5	3	5	5	5	5	5	5

* Completed according to the following program outcomes. (Score from 0 to 5.)

PO: Program Outcomes of Faculty of Medicine

PO Link: <https://muweb.mu.edu.tr/tr/program-yeterlilikleri-6598?site=tip.mu.edu.tr>

TRAINING ACTIVITY AND ASSESMENT AND EVALUATION METHODS MATCHING OF COURSE GAINS

Intended Learning Outcome	TRAINING ACTIVITY MATCHING	ASSESSMENT AND EVALUATION METHODS MATCHING
1.Can take medical history, perform physical examination, can evaluate basic imaging and laboratory tests in diseases related to Physical Medicine and Rehabilitation.	T,V, CR, C, R,L	P-L, OE, TE
2.Can apply basic treatment principles to Physical Medicine and Rehabilitation patients.	T,V, CR, C	P-L, OE, TE
3.Can explain the anatomy and physiology of the musculoskeletal system.	T, C	P-L, OE, TE
4.Can explain concepts of illness, disability, disability, and rehabilitation.	T, C, V, CR	P-L, OE, TE
5.Can recognize the medical conditions that cause disability and require rehabilitation, to make the necessary guidance.	V, CR, C, T	P-L, OE, TE
6.Can explain rheumatic diseases.	C, CR, T	OE, TE
7.Can explain the interventional procedures related to the musculoskeletal system.	T, C	P-L, OE, TE
Abbreviations Teaching Activity: Theoretical lessons (T), Visit (V), Case report (CR), Clinical picture discussion-Outpatient clinic (C), Vocational skills lab (VSL), Radiological evaluation (R), Laboratory evaluation (L), Presentation (Pr) Assessment Method: Practical - Logbook (P-L), Oral exam (OE), Theoretical exam (TE)		

INFORMATION AND MATCHING TABLE ON THE THEORETICAL AND PRACTICAL COURSES IN THE COURSE TO BE INCLUDED IN THE 2022- 2023 ACADEMIC YEAR COURSE PROGRAM

Lecture Code*	Hour	Lecture Type	Lecture Subject	Course Aim Matching	Course Learning Outcome Matching	Activity Matching**	Assessment and Evaluation Method matching **	Vertical Integration	Horizontal Integration
MED5-FTR001	1	T	Introduction to Physical Medicine and Rehabilitation	1	4,5	T,V	P-L, OE, TE		
MED5-FTR002	2	T	Musculoskeletal Examination and Clinical Assessment - Anatomy and Physiology	1	1,3,6,7	T, CR	P-L, OE, TE	Phase 3 Vocational skills lab (VSL)	
MED5-FTR003	1	T	Physical modalities and applications	1	2,5	T, CR, V	OE, TE		
MED5-FTR004	2	T	Approach to pain and inflammation	1	1,2,6	T, CR	OE, TE		
MED5-FTR005	2	T	Vitamin D Deficiency, Osteoporosis and Metabolic Bone Diseases	1	1,2,3,5,6	T, CR	OE, TE	Phase 1-2	
MED5-FTR006	2	T	Approach to patient with arthritis	1	1,2,5,6,7	T, CR	P-L, OE, TE	Phase 4 Internal Medicine Course	
MED5-FTR007	2	T	Osteoarthritis and degenerative joint diseases	1	1,2,5,6,7	T, CR	P-L, OE, TE	Phase 4 Internal Medicine Course	
MED5-FTR008	2	T	Rheumatoid arthritis	1	1,2,5,6,7	T, CR	P-L, OE, TE	Phase 4 Internal Medicine Course	
MED5-FTR009	2	T	Seronegative spondyloarthropathies	1	1,2,5,6,7	T, CR	P-L, OE, TE	Phase 4 Internal Medicine Course	
MED5-FTR010	2	T	Exercise physiology and therapeutic exercises	1	1,2,3,4,5	T	P-L, OE, TE	Phase 1-2	
MED5-FTR011	2	T	Hand peripheral nerve injuries and rehabilitation	1	1,2,3,5	T, CR	P-L, OE, TE		Phase 5- Plastic and Reconstructive Surgery

									Course
MED5-FTR012	2	T	Crystal arthropathies	1	1,2,5,6,7	T, CR	P-L, OE, TE	Phase 4 Internal Medicine Course	
MED5-FTR013	2	T	Behçet disease	1	1,2,5,6,7	T, CR	P-L, OE, TE	Phase 4 Internal Medicine Course	
MED5-FTR014	2	T	Medication in Rheumatic diseases	1	1,2,5,6	T	OE, TE	Phase 4 Internal Medicine Course	
MED5-FTR015	2	T	Spinal cord injuries and rehabilitation	1	1,2,3,4,5	T, CR	P-L, OE, TE		Phase 5 Neurosurgery Course
MED5-FTR016	2	T	Approach to mechanical low-back pain and disc herniation and treatment methods	1	1,2,3,5,7	T, CR	P-L, OE, TE		Phase 5 Neurosurgery Course
MED5-FTR017	2	T	Approach to neck back pain and treatment methods	1	1,2,3,5,7	T, CR	P-L, OE, TE		Phase 5 Neurosurgery Course
MED5-FTR018	2	T	Rheumatic diseases and rehabilitation	1	1,2,4,5,6	T, CR	OE, TE		
MED5-FTR019	2	T	Soft Tissue Rheumatism Diseases (Fibromyalgia and Myofascial Pain Syndrome)	1	1,2,3,5,7	T, CR	P-L, OE, TE		
MED5-FTR020	2	T	Peripheral neuropathy (entrapment neuropathies)	1	1,2,3,5,7	T, CR	P-L, OE, TE		Phase 5 Neurosurgery Course
MED5-FTR021	2	T	Stroke rehabilitation	1	1,2,4,5	T, CR	P-L, OE, TE		Phase 5 Neurology Course
MED5-FTR022	2	T	Rehabilitation in pediatric period (cerebral palsy)	1	1,2,4,5	T, CR	P-L, OE, TE		
MED5-FTR023	2	P	Bed-side examination (Taking general and problem-oriented history)	1	1	V, C	P-L, OE		
MED5-FTR024	2	P	Bed-side examination (Patient file preparation)	1	1,2,4,6	V, C	P-L		
MED5-FTR025	2	P	Assessment of direct radiographs	1	1,3,6	R	P-L, OE, TE		Phase 5-Radiology Course
MED5-FTR026	1	P	Structured Free Study Time group events - conversation about patient history scenarios patient examination, differential diagnosis and treatment	1	1,2,3,4,5,6,7	C,S	P-L, OE, TE		
MED5-	3	P	Outpatient treatment and	1	1,4,5	C	P-L		

FTR027			Health Committee Polyclinic follow-up - Advising on disability report and invalidity assessment						
MED5-FTR028	2	P	Outpatient treatment and Health Committee Polyclinic follow-up - Preparing health reports in accordance with current legislation	1	1,4,5	C	P-L		
MED5-FTR029	2	P	Filling the request form for laboratory examination	1	1,5,6	V, C	P-L, OE, TE		
MED5-FTR030	2	P	Making rational laboratory and imaging request	1	1,5,6	V, C	P-L, OE, TE		
MED5-FTR031	5	P	Bed-side examination - Musculoskeletal examination	1	1,3,6,7	V, C	P-L, OE, TE		
MED5-FTR032	2	P	Prescribing	1	2,5	V,P	P-L, OE, TE		
MED5-FTR033	1	T	Evaluation of Course Exam Questions	1	1,2,3,4,5,6,7	S			
MED5-FTR034	1	T	Course Evaluation Meeting	1	1,2,3,4,5,6,7	S			
<p>EXPLANATIONS: * Lecture code will be formed by writing 001, 002,... at the end of the code taken from the "Codes for Phase 5 matrix" section. **Abbreviations Teaching Activity: Theoretical lessons (T), Visit (V), Case report (CR), Clinical picture discussion-Outpatient clinic (C), Vocational skills lab (VSL), Radiological evaluation (R), Laboratory evaluation (L), Presentation (Pr) Assessment Method: Practical - Logbook (P-L), Oral exam (OE), Theoretical exam (TE)</p>									