



**MUĞLA SITKI KOÇMAN UNIVERSITY FACULTY of MEDICINE
PHASE 6
ENGLISH MEDICINE PROGRAM**

**COURSE of PHYSICAL MEDICINE AND
REHABILITATION
COURSE GUIDEBOOK**

PREFACE

Dear Students,

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

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-6505
Course Topic Code	: MED-
Course Type	: Elective
Duration of the Course	: 1 month
Teaching Method of the Course	: Formal
ECTS	: 5
Language	: English

TEACHING METHODS-TECHNIQUES

a. Applied training methods

- ✓ Inpatient bedside (service) trainings / Inpatient bedside (service) practical applications
- ✓ Participation in outpatient services / Practical applications at the outpatient clinic
- ✓ Bedside Training / Practical Practices at the Bedside
- ✓ Instructor visits (Story taking, file preparation and presentation, interactive discussion, monitoring)
- ✓ Operating room applications
- ✓ Medical record keeping and evaluation practices
- ✓ Participation in Branch Informatics Applications

b. Interactive learning activities:

- ✓ Meetings, panels, group discussions,
- ✓ Case-based discussion sessions, problem-based training sessions with small groups, critical situation discussions, councils, gamification, structured case discussions,
- ✓ Readings and interpretations of works/articles

c. Vocational Skills applications

- ✓ The minimum number of practices/studies required for reinforcing the proficiency gained in the previous education periods in the defined vocational skills is determined and it is ensured that each intern does it.

d. Teamwork

e. Independent learning

- ✓ Independent working hours

f. Other Educational Events

- ✓ Clinical Case Reports
- ✓ Article Presentations
- ✓ Seminar/Lesson Presentations
- ✓ Literature Presentations
- ✓ Research and Presentation

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

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 students learn about the diseases that are common in the population related to the field of physical medicine and rehabilitation and understand the basics of approaching situations that may require emergency intervention.
2	In this course, it is aimed that the students get to know the patients effectively and make practical application and treatment approaches at the primary care level.
3	In this course, it is aimed that the students have the necessary knowledge and skills to distinguish the patients who need to be referred to a higher level or a different branch.

OBJECTIVE(S) of the COURSE

1	To be able to explain the purpose and functioning of the Physical Medicine and Rehabilitation department.
2	To be able to recognize the patient and healthy population addressed by the Department of Physical Medicine and Rehabilitation.
3	To be able to take a medical history, perform physical examination and explain basic imaging and laboratory tests.
4	To be able to have the necessary skills about basic treatment in Physical Medicine and Rehabilitation related diseases.
5	To be able to question the symptoms of physical medicine and rehabilitation diseases during history taking and physical examination, to be able to recognize these symptoms in the examination, to be able to request and interpret the necessary tests at the first stage, to be able to treat common diseases in the community, to be able to determine which patients should be evaluated by a specialist.
6	To be able to explain musculoskeletal system diseases and emergencies.
7	To be able to explain in which situations it is necessary to contact another department in the approach to the patient.
8	To be able to explain the importance of pain, differential diagnosis, and treatment in musculoskeletal system diseases.
9	To be able to explain the physiological changes that may occur with the aging process.
10	To be able to prepare patient file and gain patient follow-up skills.

INTENDED LEARNING OUTCOME(S)

1	Can explain the purpose and functioning of the Physical Medicine and Rehabilitation department.
2	Can recognize the patient and healthy population addressed by the Department of Physical Medicine and Rehabilitation.
3	Can take a medical history, perform physical examination, and explain basic imaging and laboratory tests.
4	Can have the necessary skills about basic treatment in Physical Medicine and Rehabilitation related diseases.
5	Can question the symptoms of physical medicine and rehabilitation diseases during history taking and physical examination, can recognize these symptoms in the examination, can request and interpret the necessary tests at the first stage, can treat common diseases in the community, can determine which patients should be evaluated by a specialist.
6	Can explain musculoskeletal system diseases and emergencies.
7	Can explain in which situations it is necessary to contact another department in the approach to the patient.
8	Can explain the importance of pain, differential diagnosis, and treatment in musculoskeletal system diseases.
9	Can explain the physiological changes that may occur with the aging process.
10	Can prepare patient file and gain patient follow-up skills.

DUTIES and RESPONSIBILITIES OF STUDENTS and OTHER ISSUES

RESPONSIBILITIES

1. Candidate physicians introduce themselves as an Intern Doctor (Candidate Physician) to the patient before the clinical / polyclinic applications and carry out all the medical procedures given by the relevant lecturers.
2. The dressing of the candidate physicians in the working environment should be appropriate to the health worker.
3. Candidate physicians wear their ID cards visibly in hospitals and educational environments.
4. A white doctor's coat and/or uniform should be worn inside the hospital.
5. During the internship, it is important that the personal Internship report cards are filled in carefully, signed and handed over to the responsible instructor at the end of the internship.
6. Candidate physicians fulfill the task of preparing articles, case presentations and seminars given to them during their education.
7. Candidate physicians do not take the patient files out of the service.
8. Candidate physicians should not inform the patient's relatives or third parties about the patient's medical condition and course without the knowledge and supervision of the instructors.
9. Candidate physicians act in accordance with the principles and rules of medical professional ethics and deontology during practices.
10. Candidate physicians know the patient rights regulation and the current health legislation and act accordingly.
11. Candidate physicians know the rights of patients and their relatives and behave respectfully to these rights. Candidate physicians keep all medical records of patients confidential and ensure that educational discussions regarding these records are held in accordance with the principles of confidentiality.
12. Candidate physicians should be aware of the legislation of the Faculty of Medicine, including the Muğla Sıtkı Koçman University Faculty of Medicine Education-Training and Examination regulations, and act accordingly.

13. Candidate physicians act in accordance with the principles regarding attendance and other matters of Term VI students in the MSKU Faculty of Medicine Education-Training and Examination Regulations.
14. Candidate physicians treat patients and their relatives, as well as other members of the healthcare team, with respect and seriousness in their dialogue and discussion.
15. Candidate physicians must be aware of the legislation concerning studentship and health and should act accordingly.
16. As in all health institutions, candidate physicians must comply with the rules, regulations and directives of the institution stated below.
 - a. Infection control rules
 - b. Rules on medical waste, household waste and recyclable waste
 - c. Radiation safety rules
 - d. Rules regarding employee health
 - e. Patient safety rules
 - f. Sample taking, sending, request writing, consent and similar rules
 - g. Fire and safety precautions
 - h. Ethical and deontological rules

Please read: MSKU Medical Faculty Pre-Graduation Education Rules, Students' Responsibilities and Duties

OTHER ISSUES

Intern Working Principles

First Day:

1. Phase 6 students are greeted collectively, the clinic is introduced and the working principles are explained by the head of the department and the faculty member in charge of the candidate medical term.

Clinical And Polyclinic Working Rules:

1. Working hours are from 08:00 in the morning to 17:00 in the evening.
2. Candidate physicians are obliged to comply with the working rules of the units they work in, to act in accordance with the regulations on dress and to participate in various practical applications within the control of the responsible lecturer if there is no assistant physician in this unit.
3. Morning visit is done at 08:15 on weekdays.

4. All candidate physicians attend the visit in the presence of assistant doctors in the unit, if not, accompanied by responsible teaching.
 5. On weekends and holidays, morning visits are held at 09:00 with the participation of the candidate physicians who have transferred and taken over the duty, and the assistant doctors, if any, or the responsible faculty member.
 6. Evening visits are held at 16:45 every weekday with the participation of the candidate physicians who have transferred and taken over the duty, and the assistants, if any, or the responsible faculty member.
 7. Candidate physicians cannot leave the service without delivering the patients they follow during the evening duty visit.
 8. Delivery between candidate physicians is not accepted.
 9. Deliveries are made collectively with the on-duty assistant team.
 10. Candidate physicians first evaluate the patient admitted to the service.
 11. Candidate physicians take the anamnesis of the patients hospitalized in the company of the assistants and, if any, relevant assistants or faculty members, make physical examinations, prepare their files, request the necessary examinations, monitor the patients, and record the daily follow-up notes in the patient file.
 12. Candidate physicians take the necessary samples for laboratory examinations such as blood gas, blood glucose, hemogram and biochemical samples of the patients they follow in the clinic.
 13. In the clinic, each candidate physician is primarily responsible for requesting examinations, following up the results and processing the file.
 14. Candidate physicians perform medical procedures such as dressing, ECG recording, urinary catheterization and nasogastric tube insertion in the presence of appropriate indications for the patients they follow in the clinic.
 15. Prospective physicians present the patients they follow during clinical visits to the clinician and faculty member.
 16. When medically necessary, they accompany the patient in consultations and examinations.
 17. Candidate physicians assist in the preparation of epicrisis and patient discharge documents, which are being done by the responsible research assistant or lecturer.
- Intern doctors working in the polyclinic take the anamnesis of the patients who apply to the polyclinic, perform their examinations, request their examinations, and prepare their files.

18. In this way, they take an active part in the evaluation of outpatients.
19. Candidate physicians working in the polyclinic actively participate in the processes of issuing patient prescriptions, creating a patient treatment schedule, and monitoring the course of treatment, under the control of an assistant or specialist doctor.
20. The seizures are accompanied by the assistant and they participate in the patient follow-up and practices in the company of the assistant physician during the shift.
21. Prospective physicians must attend academic events where seminars, article presentations or training videos are watched.

RECOMMENDED RESOURCE(S)

KEY RESOURCE(S)

KEY RESOURCE(S)	Matched Course Outcome(s)
Hochberg M, Rheumatology, 7th Edition, 2019, Elsevier	1,2,3,5,6,7,8,9,10
Braddom RL, Physical Medicine&Rehabilitation, 3rd Edition, 2007, Saunders Elsevier	1,2,3,5,6,7,8,9,10
Beyazova M, Gökçe-Kutsal Y, Fiziksel Tıp ve Rehabilitasyon, 2016, Güneş Kitabevi	1,2,3,5,6,7,8,9,10

ADDITIONAL RESOURCE(S)

ADDITIONAL RESOURCE(S)	Matched Course Outcome(s)
Hasan Oğuz, Tıbbi Rehabilitasyon, Üçüncü baskı, 2015, Nobel Kitabevi	1,2,3,5,6,7,8,9,10

ASSESSMENT and EVALUATION

1. The purpose of the training program in the candidate doctor period; To have the student make clinical applications of the theoretical and practical knowledge gained in previous years, to provide the student with experience and skills in the practice of the profession of medicine, to bring the doctor candidate to the level where he can apply this profession alone in the best way.
2. The candidate doctor period is a period of twelve consecutive months.
3. During the candidate doctor period, clinical courses are given as internships. The clinics and the duration of the internship are determined by the Faculty Board upon the recommendation of the Coordinators Committee and the Pre-Graduation Medical Education Board and announced at the beginning of the academic year. When necessary, an elective internship application can be brought by the Faculty Board by going through the same processes, and internship blocks can be formed by combining some of the internships.
4. At least 15 days before the start of the academic year, one of the faculty members in each department of the faculty where candidate medicine practice is carried out is appointed by the Board of the Department as the faculty member responsible for the candidate medicine of the department for that academic year and notified to the Dean's Office through the Coordinatorship. This faculty member cooperates with the head of the department and the term coordinator in the regular conduct of the education of this semester.
5. During this period, the student works under the control of a lecturer in areas such as emergency service, clinic, polyclinic, laboratory, operating room, intensive care, field studies.
6. Prospective medical students must comply with the conditions of the departments and branches of education they are studying, keep watch, participate in surgery, laboratory work, case presentations, conferences, seminars and other scientific activities.
7. At the end of the study carried out in each department in this period, the success of the student; A grade is given considering the relationship with patients and their owners, the degree of commitment to their duty, professional knowledge,

cooperation ability, interest in work, attendance, participation in meetings and internship reports. In order for students to be considered successful in an internship/internship block, they must meet the attendance requirements and get at least 60 points from the candidate physician qualification evaluation determined by the relevant department. At the end of the internship, the candidate physician proficiency assessment and internship report of the students are sent to the Dean's Office by the head of the department.

8. Students who are not successful in one or more of the internship internships are given the right to repeat their failed internship/internship until they succeed, taking into account the maximum education period specified in the relevant legislation. All these repetitions are mandatory.
9. The candidate doctor period is held in the department/sciences of the faculty. Elective internship can also be done in health institutions that provide education in the country or abroad, with the approval of the Board of Directors. Students must notify the Dean's Office at least two weeks before the start of the program, with a petition, of their choice of domestic or international elective internship.
10. Final year students of medical faculties in Turkey can do one or more of their candidate medical internships at the faculty with the permission of their faculties and the decision of the Board of Directors.

Phase 6 Student Internship Success Criteria: (All criteria must be met)

1. The student must fulfill the internship continuity criteria.
2. Candidate Physician Qualification Certificate scoring of 60 and above is considered successful.
3. Candidate Physician Logbook scoring of 60 and above is considered successful.

Faculty of Medicine
English Medicine Program
Phase 6
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	5	4	5	3	1	1	3	3	5	3	2	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>

CANDIDATE PHYSICIAN QUALIFICATION CERTIFICATE

MUGLA SITKI KOCMAN UNIVERSITY MEDICAL SCHOOL PHYSICAL MEDICINE AND REHABILITATION INTERNSHIP CANDIDATE PHYSICIAN QUALIFICATION CERTIFICATE		
Student's name and surname: Number:		Beginning:/...../..... End: .../..../.....
A	Participation in Internship Training Programs (25 points) <ul style="list-style-type: none"> ✓ Seminar, article, case report etc. ✓ Report-Homework Preparation etc. ✓ Research etc. 	
B*	Internship Logbook Score (50 points) * <ul style="list-style-type: none"> ✓ Fulfilling the applications specified in the internship logbook in the desired number and level etc. 	
C	Fulfilling Intern Physician Work Responsibilities: (25 points) <ul style="list-style-type: none"> ✓ Learning the seizure system, taking over, and transferring patients, obeying the hours ✓ Service Activities ✓ Polyclinic Activities ✓ Fulfillment of assigned tasks ✓ Adaptation and Participation in Teamwork ✓ Communication with patients and their relatives ✓ Compliance with working hours etc. 	
CONTINUITY:		Continuous (....)
RESULT:		Discontinuous (.....)
EVALUATION SCORE: (With numbers and text)		HEAD OF DEPARTMENT
Score: (out of 100)		Date:
INTERNSHIP COORDINATOR ACADEMIC STAFF: Date: Signature:		Signature:
Phase 6 Student Internship Success Criteria: (All criteria must be met) <ol style="list-style-type: none"> 4. The student must fulfill the internship continuity criteria. 5. Candidate Physician Qualification Certificate scoring of 60 and above is considered successful. 6. Candidate Physician Logbook scoring of 60 and above is considered successful. 		
* Half of the Candidate Physician Internship Logbook Score must be reflected in the B field.		

CANDIDATE PHYSICIAN INTERNSHIP LOGBOOK

MUGLA SITKI KOCMAN UNIVERSITY MEDICAL SCHOOL PHYSICAL MEDICINE AND REHABILITATION CANDIDATE PHYSICIAN INTERNSHIP LOGBOOK			
Student's name and surname:		Number:	
Beginning:/...../.....		End:/...../.....	Level
			Performed
1.	Patient file preparation	4	
2.	Taking general and problem-oriented history	4	
3.	Systematic physical examination	4	
4.	Evaluation of general condition and vital signs	4	
5.	Interpreting the results of screening and diagnostic examinations	3	
6.	Differential Diagnosis		
7.	Reading and evaluating direct radiographs	3	
8.	Requesting rational laboratory and imaging examination	4	
9.	Applying the principles of working with biological material	4	
10.	Obtaining a biological sample from the patient	3	
11.	Taking the laboratory sample under appropriate conditions and delivering it to the laboratory	4	
12.	Providing decontamination, disinfection, sterilization, antisepsis	4	
13.	Hand washing	4	
14.	Opening vascular access	4	
15.	IM, IV, SC, ID Injection	4	
16.	Preparing the drugs to be applied correctly	3	
17.	Administering oral, rectal, vaginal, and topical drugs	3	
18.	Applying the principles of rational drug use	4	
19.	Treatment planning and prescription	4	
20.	Preparing patient discharge report	4	
21.	Properly referring the patient	4	
22.	Providing sufficient and understandable information to the patient and his/her relatives about the disease	4	
23.	Providing accurate and adequate information to the patient and/or patient relatives about possible interventions/treatment options, obtaining consent for treatment	4	
24.	Communicating effectively with the work team, colleagues, and trainers	4	
25.	Musculoskeletal examination	3	
26.	To be able to provide consultancy on disability report	3	
27.	Filling the request form for laboratory examination	4	
28.	Invalidity assessment	1	
29.	Exercise and physical activity	4	
30.	To be able to prepare health reports in accordance with current legislation	3	
RESULT: Successful (...)		EVALUATION SCORE: (With numbers and text)	INTERNSHIP COORDINATOR ACADEMIC STAFF:
		HEAD OF DEPARTMENT	

Unsuccessful (.....)	Score: (out of 100)	Date: Signature:	Date: Signature:
Phase 6 Student Internship Success Criteria: (All criteria must be met) <ol style="list-style-type: none"> 1. The student must fulfill the internship continuity criteria. 2. Candidate Physician Qualification Certificate scoring of 60 and above is considered successful. 3. Candidate Physician Logbook scoring of 60 and above is considered successful. 			
*The Department can remove the item(s) from the Internship Logbook and/or add the item(s) specific to the internship by specifying the level to the Internship Logbook. It is recommended that the department check that all NCEP-2020 Basic Medicine Practices and levels related to the internship are stated in the Internship Logbook.			

LEARNING LEVEL OF BASIC MEDICAL PRACTICES*	
Level	Explanation
1	Knows how the application is done and explains the results to the patient and / or their relatives
2	Makes the application in accordance with the guide / directive in an emergency
3	Makes the application* in uncomplicated, common, cases/cases
4	Makes the application** including complex situations/phenomenons
*Denotes the minimum level of performance, and therefore learning, that a physician who graduated from the faculty of medicine should exhibit during basic medicine practices. It is determined separately for each skill/application in the minimum level list. The faculties ensure that each student is able to perform the medical practice in question at the minimum level determined during the education period they apply.	
** Makes the preliminary evaluation/evaluation, creates, and implements the necessary plans, and informs the patient and their relatives/society about the process and its results.	
*Source: NCEP 2020	