



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

**COURSE of  
ORTHOPEDICS and TRAUMATOLOGY  
COURSE GUIDEBOOK**

# PREFACE

**Dear Students,**

Welcome to the Orthopedics and Traumatology course program 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 Orthopedics and Traumatology**

## GENERAL INFORMATION on COURSE

<b>Course Title</b>	: Orthopedics and Traumatology
<b>Main Department of Course</b>	: Surgical Medical Sciences
<b>Department Responsible for Course</b>	: Orthopedics and Traumatology
<b>Course Code</b>	: MED-6512
<b>Course Topic Code</b>	: MED-
<b>Course Type</b>	: Elective
<b>Duration of the Course</b>	: 1 month
<b>Teaching Method of the Course</b>	: Formal
<b>ECTS</b>	: 5
<b>Language</b>	: 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	Hospital Building	4th Floor Orthopedics Classroom
Inpatient bedside practice	Hospital Building	4th Floor Orthopedics Service
Policlinic	Hospital Building	Ground Floor Orthopedics Outpatient Clinic
Case analysis	Hospital Building	4th Floor Orthopedics Classroom
Problem-based teaching		
Special audit applications		4th Floor Orthopedics Classroom
Private field applications		Ground Floor Orthopedics Outpatient Clinic

## RELATED LEGISLATION

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

## AIM(S) of the COURSE

<b>1</b>	In this course, it is aimed for students to gain the skill of plaster-splint, to have knowledge about orthopedic emergencies, and to be able to direct orthopedic patients to the relevant center when necessary.
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## OBJECTIVE(S) of the COURSE

1	To be able to perform physical examination of the musculoskeletal system.
2	To be able to take a medical history, to be able to correlate physical examination findings and to be able to make differential diagnosis in musculoskeletal system diseases.
3	To be able to recognize the musculoskeletal system emergency diseases and to be able to make the first intervention.
4	To be able to explain the appropriate approach in the multi-injured patient.
5	To be able to explain musculoskeletal system diseases seen in childhood.
6	To be able to perform basic medical interventions related to the musculoskeletal system.
7	To be able to perform first aid in orthopedic trauma.
8	To be able to screen for developmental dysplasia of the hip.
9	To be able to recognize orthopedic emergencies and to be able to make their first aid.
10	To be able to recognize common orthopedic diseases and to be able to explain differential diagnosis algorithms.

# INTENDED LEARNING OUTCOME(S)

1	Can perform physical examination of the musculoskeletal system.
2	Can take a medical history, can correlate physical examination findings, and can make differential diagnosis in musculoskeletal system diseases.
3	Can recognize the musculoskeletal system emergency diseases and can make the first intervention.
4	Can explain the appropriate approach in the multi-injured patient.
5	Can explain musculoskeletal system diseases seen in childhood.
6	Can perform basic medical interventions related to the musculoskeletal system.
7	Can perform first aid in orthopedic trauma.
8	Can screen for developmental dysplasia of the hip.
9	Can recognize orthopedic emergencies and can make their first aid.
10	Can recognize common orthopedic diseases and can explain differential diagnosis algorithms.



# DUTIES AND RESPONSIBILITIES OF STUDENTS

**Please read:** MSKU Medical Faculty Pre-Graduation Education Rules, Students' Responsibilities and Duties (MSKÜ Tıp Fakóltesi Mezuniyet Öncesi Eğitiminde Öğrencilerin Uyması Gereken Kurallar, Öğrencilerin Sorumlulukları ve Görevleri)

**Web Site:** <https://tip.mu.edu.tr/tr/ilgili-mevzuat-6641>

# RECOMMENDED RESOURCE(S)

## KEY RESOURCE(S)

KEY RESOURCE(S)	Matched Course Outcome(s)
1. Miller's Review of Orthopaedics 8th Edition	1,2,3,4,5,6,7,9,10

## ADDITIONAL RESOURCE(S)

ADDITIONAL RESOURCE(S)	Matched Course Outcome(s)
1. Campbell's Operative Orthopaedics 13th Edition	1,2,3,4,5,6,7,9,10
2. Tachdjian's Pediatric Orthopaedics 5th Edition	1,2,3,4,5,6,7,9,10

# ASSESSMENT and EVALUATION

**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**  
**Orthopedics and Traumatology Course**  
**Competence Matrix**

The Name of the Course	Po1	Po2	Po3	Po4	Po5	Po6	Po7	Po8	Po9	Po10	Po11	Po12	Po13
Orthopedics & Traumatology	5	5	5	5	5	5	0	5	0	0	0	0	0

\* 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

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

# CANDIDATE PHYSICIAN INTERNSHIP LOGBOOK

MUGLA SITKI KOCMAN UNIVERSITY MEDICAL SCHOOL ORTHOPEDICS AND TRAUMATOLOGY CANDIDATE PHYSICIAN INTERNSHIP LOGBOOK				
Student's name and surname:		Number:		Performed
Beginning:/...../.....		End: ...../...../.....		
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.	Internship-specific item* .....			
26.	Internship-specific item* .....			
27.	Internship-specific item* .....			
<b>RESULT:</b>  Successful (...)  Unsuccessful (.....)		<b>EVALUATION SCORE:</b> (With numbers and text)  Score: ..... (out of 100)		<b>INTERNSHIP COORDINATOR ACADEMIC STAFF:</b>  Date:  Signature:
				<b>HEAD OF DEPARTMENT</b>  Date:  Signature:

**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.

**\*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.	
<b>*Source: NCEP 2020</b>	