



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

**COURSE of Emergency Medicine  
COURSE GUIDEBOOK**

# PREFACE

**Dear Students,**

Welcome to the Emergency Medicine 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 Emergency Medicine**

## GENERAL INFORMATION on COURSE

<b>Course Title</b>	: Emergency Medicine
<b>Main Department of Course</b>	: Surgical Sciences
<b>Department Responsible for Course</b>	: Emergency Medicine
<b>Course Code</b>	: MED-6008
<b>Course Topic Code</b>	: MED-
<b>Course Type</b>	: Required
<b>Duration of the Course</b>	: 2 months
<b>Teaching Method of the Course</b>	: Formal
<b>ECTS</b>	: 10
<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)
- ✓ 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	Classrooms in the Training and Research Hospital assigned to the course	
Inpatient bedside practice		Adult Emergency Service of Training and Research Hospital- first floor
Policlinic		Adult Emergency Service of Training and Research Hospital- first floor
Case analysis		
Problem-based teaching		
Special audit applications		
Private field applications		

## 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 that the students gain skills, experience, and the ability to apply at the best level in the field of emergency medical approaches, accompanied by the knowledge and skills acquired in the previous years (Phase 1-5).
<b>2</b>	In this course, it is aimed that the students take an active role in the approach to the patients who apply to the emergency service, provide patient stabilization, take an active role in the first intervention, differential diagnosis, diagnosis, and treatment process, and thus improve their clinical practice skills.

## OBJECTIVE(S) of the COURSE

1	To be able to define in which health institution emergency diseases can be treated.
2	To be able to recognize very urgent and less urgent patients/ diseases by learning triage categories.
3	To be able to define the forms of emergency admission of diseases.
4	To be able to adapt the principles of emergency medicine approach to patients at the stage of diagnosis.
5	To be able to describe the clinical and laboratory findings of common emergency diseases.
6	To be able to describe the emergency treatments of diseases.
7	To be able to use basic medical concepts and principles in the diagnosis and treatment of emergency diseases.
8	To be able to describe normal and pathological clinical and laboratory findings.
9	To be able to take a purposeful history and physical examination in the emergency department.
10	To be able to perform first aid in emergency diseases, trauma, and poisoning patients.
11	To be able to perform necessary diagnosis, examination, and treatment in emergency situations.
12	To be able to make timely medical decisions in emergencies.
13	To be able to communicate with patients and their relatives with the clinical practice of the emergency department.
14	To be able to interpret chest, abdomen, and extremity radiographs appropriately.
15	To be able to provide patient stabilization in emergency situations.
16	To be able to make differential diagnosis and apply necessary treatment in emergency situations.
17	To be able to arrange pre-hospital emergency health services in emergencies.
18	To be able to interpret the necessary examinations appropriately in emergency

	situations.
19	To be able to administer interventional sedation and analgesia in emergencies.
20	To be able to apply the necessary first response in frequently encountered emergencies such as shortness of breath, chest pain, abdominal pain, altered consciousness, trauma, poisoning, allergic reaction.
21	To be able to apply wound care.
22	To be able to apply suture techniques in simple incisions.
23	To be able to apply abscess drainage.
24	To be able to apply basic and advanced life support.
25	To be able to apply advanced trauma life support.
26	To be able to apply cervical collar, trauma board, splint, and elastic bandage to the traumatized patient.
27	To be able to apply oxygen, oropharyngeal airway, and intubation with a balloon (Bag Valve) mask.
28	To be able to act with principles and respect in the light of ethical values in relations with patients and colleagues.
29	To be able to deal with problems scientifically and to be able to use scientific methods in their solutions.
30	To be able to evaluate patient information in a scientific and impartial way.
31	To be able to apply the principle of confidentiality and impartiality regarding the personal information of patients.
32	To be able to consider the social factor in the solution of health problems.
33	To be able to keep accurate and regular basic medical records and be aware of their importance.



## INTENDED LEARNING OUTCOME(S)

1	Can define in which health institution emergency diseases can be treated.
2	Can recognize very urgent and less urgent patients/diseases by learning triage categories.
3	Can define the forms of emergency admission of diseases.
4	Can adapt the principles of emergency medicine approach to patients at the stage of diagnosis.
5	Can describe the clinical and laboratory findings of common emergency diseases.
6	Can describe the emergency treatments of diseases.
7	Can use basic medical concepts and principles in the diagnosis and treatment of emergency diseases.
8	Can describe normal and pathological clinical and laboratory findings.
9	Can take a purposeful history and physical examination in the emergency department.
10	Can perform first aid in emergency diseases, trauma, and poisoning patients.
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33	Can keep accurate and regular basic medical records and be aware of their importance.

## **DUTIES and RESPONSIBILITIES OF STUDENTS and OTHER ISSUES**

**Please read:** MSKU Medical Faculty Pre-Graduation Education Rules, Students' Responsibilities and Duties (MSKÜ Tıp Fakültesi 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.Tintinallis Emergency Medicine A Comprehensive Study Guide, 9th Edition	1,2,3,4,5
2.Clinical Emergency Medicine (Lange)	1,2,3,4,5
3.Rosen's Emergency Medicine A Comprehensive Study Guide, 8th	1,2,3,4,5

## ADDITIONAL RESOURCE(S)

ADDITIONAL RESOURCE(S)	Matched Course Outcome(s)

# 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 Emergency Medicine Course Competence Matrix

The Name of the Course	Po1	Po2	Po3	Po4	Po5	Po6	Po7	Po8	Po9	Po10	Po11	Po12	Po13
Emergency Medicine	5	5	5	5	4	4	5	4	3	1	2	2	2

\* 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>EMERGENCY MEDICINE INTERNSHIP</b> <b>CANDIDATE PHYSICIAN QUALIFICATION CERTIFICATE</b>		
Student's name and surname: Number:		Beginning:/...../..... End: .../..../.....
<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>Discontinuous (.....)</b>
<b>RESULT:</b>		<b>Successful (....)</b> <b>Unsuccessful (.....)</b>
<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:
<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 EMERGENCY MEDICINE CANDIDATE PHYSICIAN INTERNSHIP LOGBOOK			
Student's name and surname:		Number:	
Beginning:/...../.....		End: ...../...../.....	Level
			Performed
1.	Patient file preparation	4	
2.	Emergency patient evaluation (history, physical examination and laboratory) and determination of priorities, Emergency patient separation (triage)	4	
3.	Using laboratory methods applied in primary care	4	
4.	Requesting rational laboratory and imaging examination	4	
5.	Filling out the request form for laboratory examination	4	
6.	Taking the laboratory sample under appropriate conditions and delivering it to the laboratory	4	
7.	Applying the principles of working with biological material	4	
8.	Obtaining a biological sample from the patient	3	
9.	Providing decontamination, disinfection, sterilization, antisepsis	4	
10.	X-ray evaluation (Lung, standing empty abdomen, bone)	4	
11.	Taking and evaluating ECG	3	
12.	Environmental emergencies (Hypothermia, lightning strikes, drownings)	3	
13.	Airway management - Cricothyrotomy	2	
14.	Providing airway patency, placing airway	2	
15.	Removing the foreign body in the airway with the appropriate maneuver (Heimlich)	2	
16.	Taking measures to stop / limit external bleeding	3	
17.	Putting a nose pad	4	
18.	Making and applying splints	3	
19.	Applying bandages and cold-hot compresses	4	
20.	Performing first aid in musculoskeletal injuries	4	
21.	Arterial blood gas collection	3	
22.	Applying oxygen and nebulization therapy	4	
23.	Regulating fluid and electrolyte balance	4	
24.	Performing first aid in eye injuries	4	
25.	Providing first and emergency aid in poisonings and animal bites and stings	4	
26.	Stabilizing the emergency psychiatric patient	4	
27.	Shock management	4	
28.	Fire management	4	
29.	Coma management	4	
30.	Breathing difficulty management	4	
31.	Chest pain management	4	
32.	Abdominal pain management	4	
33.	Trauma management	4	
34.	Syncope management	4	

35.	Headache management	4	
36.	Urea, creatinine elevation management	4	
37.	Management of Pancytopenia, Leukocytosis, Thrombocytopenia	4	
38.	Anemia and transfusion	4	
39.	Vascular access	3	
40.	Wound care and suturing techniques	4	
41.	Urine and nasogastric tube administration	3	
42.	Use of balloon mask (ambu)	4	
43.	Bandage, tourniquet application	4	
44.	Removing ticks	3	
45.	Applying enema	3	
46.	Applying cervical collar	4	
47.	Evaluation of the multiple trauma patient	3	
48.	Evaluation of Glasgow/ AVPU coma scale	4	
49.	Transporting the patient in accordance with the clinical condition	4	
50.	Putting the patient in a coma position	4	
51.	Defibrillation	4	
52.	Applying basic life support (heart massage and artificial respiration)	4	
53.	Providing advanced life support	3	
54.	Carrying the limb severed after trauma appropriately	4	
55.	Suicide intervention	2	
56.	Providing acute decontamination principles in poisonings	2	
57.	Superficial suturing and retrieving	4	
58.	Brain edema treatment (Thiamine, Glucose, Naloxone use)	3	
59.	Applying the principles of rational drug use	4	
60.	Injecting IM, IV, SC, ID	4	
61.	Administering oral, rectal, vaginal and topical drugs	3	
62.	Treatment planning and prescription	4	
63.	Preparing a treatment refusal document	4	
64.	Reporting and reporting of legally notifiable diseases and conditions	4	
65.	Prepare epicrisis	4	
66.	Properly referring the patient	4	
67.	Providing sufficient and understandable information to the patient and his/her relatives about the disease	4	
68.	Providing accurate and adequate information to the patient and/or patient relatives about possible interventions/treatment options, obtaining consent for treatment	4	
69.	Communicating effectively with the work team, colleagues and trainers	4	
70.	Internship-specific item* .....		
71.	Internship-specific item* .....		
72.	Internship-specific item* .....		
73.	Internship-specific item* .....		
<b>RESULT:</b>  <b>Successful (...)</b>  <b>Unsuccessful (.....)</b>	<b>EVALUATION SCORE:</b> <b>(With numbers and text)</b>  <b>Score: ..... (out of 100)</b>	<b>INTERNSHIP COORDINATOR ACADEMIC STAFF:</b>  Date:  Signature:	<b>HEAD OF DEPARTMENT</b>  Date:  Signature:
<b>Phase 6 Student Internship Success Criteria: (All criteria must be met)</b>			
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.
<b>*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.</b>

<b>LEARNING LEVEL OF BASIC MEDICAL PRACTICES*</b>	
<b>Level</b>	<b>Explanation</b>
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>	