



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

**COURSE of GENERAL SURGERY
COURSE GUIDEBOOK**

PREFACE

Dear Students,

Welcome to the General Surgery 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 General Surgery

GENERAL INFORMATION on COURSE

Course Title	: General Surgery
Main Department of Course	: Surgical Sciences
Department Responsible for Course	: Department of General Surgery
Course Code	: MED-6004
Course Topic Code	: MED
Course Type	: Required
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	The classroom determined by the Dean's Office will be notified to the course group representative.	Morphology Building, ground floor classrooms
Inpatient bedside practice	General surgery service, Intensive care service, Endoscopy Unit and Burn Unit	Hospital Building, 3 rd Floor
Policlinic	General Surgery Policlinic	Hospital Building, 1 st floor
Case analysis	Hospital building; trainee classrooms	hospital building; trainee classrooms
Problem-based teaching	Hospital building; trainee classrooms	hospital building; trainee classrooms
Special audit applications	Endoscopic procedures, proctology unit	Places of the relevant departments in the Hospital Building
Private field applications	Breast polyclinic, proctology, intensive care Unit	Places of the relevant departments in the Hospital Building

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 gain knowledge and skills in the basic surgical principles and in the fields of emergency, elective and preventive medicine of General Surgery.
2	In this course, it is aimed that the students have the knowledge and skills in surgical diseases of the gastrointestinal and endocrine systems, breast diseases, abdominal wall hernias, emergency surgical diseases and be able to approach to trauma patients and diagnose patients and to have the necessary knowledge and skills for appropriate treatment at the primary 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 take the patient's history and perform a physical examination.
2	To be able to write the data collected from the patient as a patient note.
3	To be able to track daily progress of patients and record patient notes.
4	To be able to take medical histories of the patients, to be able to perform physical examinations, to be able to evaluate laboratory requests, and to be able to assist in care services such as dressings, in communication with the service assistant before the daily visits.
5	To be able to present and share this data with colleagues during visits.
6	To be able to realize the decisions taken during the visits during the day.
7	To be able to explain the discharge recommendations to the patients who will be discharged and to write the necessary discharge reports.
8	To be able to communicate appropriately with patients, relatives, and colleagues.
9	To be able to perform the intervention to the patients within the surgical discipline.
10	To be able to carry out all the procedures to be done in coordination with the relevant service assistant physician and to understand that no action will be taken without the knowledge of the faculty member or specialist physician responsible for the patient.
11.	To be able to communicate appropriately with emergency patients, to be able to evaluate and examine patients who present with trauma or acute abdomen, and to be able to make differential diagnosis of related diseases.
12.	To be able to explain the symptoms of gastrointestinal system, hepato-biliary system, breast diseases, endocrine system diseases, to be able to make necessary examinations, to be able to make differential diagnoses, to be able to explain necessary laboratory tests. To be able to assist in the diagnosis and treatment stages of these patients.
13.	To be able to comply with the operating room rules when assigned in the operating room and to be able to work in line with the duties given by the operating team.
14.	To be able to explain the liquid electrolyte and acid-base balance.
15.	To be able to start resuscitation by making the first evaluation in a trauma patient

	and a patient presenting with shock.
16.	To be able to provide prompt and appropriate referral of emergency surgical patients.
17.	To be able to diagnose abdominal wall hernias.
18.	To be able to suture in simple incisions, wound care.
19.	To be able to insert a nasogastric tube or urinary catheter when necessary.
20.	To be able to explain the importance of obtaining consent from patients before surgical interventions.

INTENDED LEARNING OUTCOME(S)

1	Can take the patient's history and perform a physical examination.
2	Can write the data collected from the patient as a patient note.
3	Can track daily progress of patients and record patient notes.
4	Can take medical histories of the patients, can perform physical examinations, can evaluate laboratory requests, and can assist in care services such as dressings, in communication with the service assistant before the daily visits.
5	Can present and share this data with colleagues during visits.
6	Can realize the decisions taken during the visits during the day.
7	Can explain the discharge recommendations to the patients who will be discharged and can write the necessary discharge reports.
8	Can communicate appropriately with patients, relatives, and colleagues.
9	Can perform the intervention to the patients within the surgical discipline.
10	Can carry out all the procedures to be done in coordination with the relevant service assistant physician and can understand that no action will be taken without the knowledge of the faculty member or specialist physician responsible for the patient.
11.	Can communicate appropriately with emergency patients, can evaluate and examine patients who present with trauma or acute abdomen, and can make differential diagnosis of related diseases.
12.	Can explain the symptoms of gastrointestinal system, hepato-biliary system, breast diseases, endocrine system diseases, can make necessary examinations, can make differential diagnoses, to be able to explain necessary laboratory tests. Can assist in the diagnosis and treatment stages of these patients.
13.	Can comply with the operating room rules when assigned in the operating room and can work in line with the duties given by the operating team.
14.	Can explain the liquid electrolyte and acid-base balance.
15.	Can start resuscitation by making the first evaluation in a trauma patient and a patient presenting with shock.
16.	Can provide prompt and appropriate referral of emergency surgical patients.
17.	Can diagnose abdominal wall hernias.

18.	Can suture in simple incisions, wound care.
19.	Can insert a nasogastric tube or urinary catheter when necessary.
20.	Can explain the importance of obtaining consent from patients before surgical interventions.

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)
Schwartz, CERRAHİNİN İLKELERİ, 10th edition, 2016	
Sabiston, 20th edition	
Gastrointestinal Sistem Endoskopisi, TÜRK CERRAHİ DERNEĞİ, 2016	
UpToDate Online, WOLTERS KLUWER	
ClinicalKey, ELSEVIER	

ADDITIONAL RESOURCE(S)

ADDITIONAL RESOURCE(S)	Matched Course Outcome(s)
1. National Comprehensive Cancer Network (NCCN) Guidelines. Link: https://www.nccn.org/	
2. Türk Cerrahi Derneği ders klavuzları https://tcdcerrahi.org/	
3. Türk Kolon ve Rektum Cerrahi Derneği Sanal Akademi https://sanalakademi.tkrcd.org.tr/	

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
General Surgery
Course
Competence Matrix

Course	PO1	P02	PO3	PO4	PO5	P06	P07	P08	P09	PO10	PO11	PO12	PO13
General Surgery	5	5	4	4	1	1	3	2	2	1	4	4	4

* 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 GENERAL SURGERY 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 (....) Discontinuous (.....)
RESULT:		Successful (....) Unsuccessful (.....)
EVALUATION SCORE: (With numbers and text) Score: (out of 100)	INTERNSHIP COORDINATOR ACADEMIC STAFF: Date: Signature:	HEAD OF DEPARTMENT Date: 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 GENERAL SURGERY 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.	Evaluation of general condition and vital signs	4	
4.	Abdominal Examination	4	
5.	Digital Rectal Examination	3	
6.	Breast and axillary examination	3	
7.	Interpreting the results of screening and diagnostic examinations	3	
8.	Reading and evaluating direct radiographs	3	
9.	Requesting rational laboratory and imaging examination	4	
10.	Applying the principles of working with biological material	4	
11.	Obtaining a biological sample from the patient	3	
12.	Taking the laboratory sample under appropriate conditions and deliver it to the laboratory	4	
13.	Providing decontamination, disinfection, sterilization, antisepsis	4	
14.	Hand washing	4	
15.	Taking samples for culture	4	
16.	Preparing a stool smear and perform microscopic examination	3	
17.	Examining occult blood in stool	4	
18.	Measuring and evaluating bleeding time	2	
19.	Opening vascular access	4	
20.	IM, IV, SC, ID Injection	4	
21.	Applying a nasogastric tube	4	
22.	Caring for wounds and burns	4	
23.	Opening skin and soft tissue abscess	3	
24.	Taking measures to stop / limit external bleeding	3	
25.	Transfusing blood	3	
26.	Evaluating disease/trauma severity scoring	4	
27.	Teaching breast self-exam	4	
28.	Superficial suturing and retrieving	4	
29.	Paracentesis	1	
30.	Preparing the drugs to be applied correctly	3	
31.	Administering oral, rectal, vaginal and topical drugs	3	
32.	Applying the principles of rational drug use	4	
33.	Treatment planning and prescription	4	
34.	Preparing epicrisis	4	
35.	Providing sufficient and understandable information to the patient and his/her relatives about the disease	4	

36.	Providing accurate and adequate information to the patient and/or patient relatives about possible interventions/treatment options, obtaining consent for treatment	4	
37.	Communicating effectively with the work team, colleagues and trainers	4	
38.	Internship-specific item*		
39.	Internship-specific item*		
40.	Internship-specific item*		
RESULT: Successful (...) Unsuccessful (.....)	EVALUATION SCORE: (With numbers and text) Score: (out of 100)	INTERNSHIP COORDINATOR ACADEMIC STAFF: Date: Signature:	HEAD OF DEPARTMENT 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	