

MUĞLA SITKI KOÇMAN UNIVERSITY FACULTY of MEDICINE PHASE 4 ENGLISH MEDICINE PROGRAM

COURSE of GENERAL SURGERY

2022/2023 Academic Year

COURSE GUIDEBOOK

PREFACE

Dear Students,

Welcome to the General Surgery course which is an important part of your education.

In this course program, which is going to continue for 7 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 General Surgery

GENERAL INFORMATION on COURSE

Course Title Main Department of Course Department Responsible for Course Course Code Course Topic Code Course Type Duration of the Course Teaching Method of the Course ECTS Language Head of the department Teaching Staff : General Surgery :Surgical Sciences : Department of General Surgery : MED-4004 : MED4-: Required : 7 weeks : Formal : 12 : English

: Prof. Okay NAZLI

Teaching Staff	Subject area	Theoretical
		Course duration
		(Hours)
Prof. Okay NAZLI		16
Assoc. Prof. Önder ÖZCAN		17
Assoc. Prof. Ilgaz KAYILIOĞLU		17
Asst. Prof. Özcan DERE		17
Asst. Prof. Samet ŞAHİN		17

Coordinator of the Department Education Program Coordinator of the Course Education Program Coordinator of the Course Examinations Coordinator of Course Assessment and Evaluation

- : Prof. Okay NAZLI
- : Prof. Okay NAZLI
- : Asst. Prof. Samet ŞAHİN
- : Asst. Prof. Samet SAHİN

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

RELATED LEGISLATION

AIM(S) of the COURSE

In this course, it is aimed that the students gain the necessary knowledge and skills to evaluate the examination, diagnosis and treatment stages of general surgery patients, to gain the ability to approach surgical diseases that are urgent and to determine the situations that require emergency surgery.

OBJECTIVE(S) of the COURSE

1	To be able to take histories of emergency or elective surgery patients, to be able to
	perform physical examinations and combine history, clinical and laboratory
	findings with radiological findings to determine differential diagnoses and to be
	able to make a definitive diagnosis.
2	To be able to put surgical treatment indications on patients, when necessary.
3	To be able to recognize and treat breast diseases, as well as to determine medical or
	surgical treatment options according to the approach algorithm for the mass in the
	breast.
4	To be able to detect the signs and symptoms of benign and malignant diseases of
	the upper and lower gastrointestinal tract, to be able to diagnose the disease and to
	be able to determine surgical treatment methods.
5	To be able to detect the signs and symptoms of benign and malignant diseases of
	the endocrine system, to be able to diagnose the disease and to be able to
	determine surgical treatment methods.
6	To be able to detect the signs and symptoms of benign and malignant diseases of
	the hepatobiliary system, to be able to diagnose the disease and to be able to
	determine surgical treatment methods.
7	To be able to diagnose and treat acid-base balance and fluid-electrolyte disorders.
8	To be able to examine ventral incisions and inguinal hernias and to be able to
	determine surgical treatment options.
9	To be able to approach a patient with trauma and shock in terms of diagnosis and
	treatment and to be able to determine the most appropriate treatment algorithm.
10	To be able to comprehend the indications and complications of these interventional
	methods by participating in the endoscopy and ERCP procedures as an observer.
11	To be able to reinforce the basic principles of surgical treatments by participating in
	the operations as an observer in the operating room.

INTENDED LEARNING OUTCOME(S)

1	Can take histories of emergency or elective surgery patients, can perform physical
	examinations, and combine history, clinical and laboratory findings with
	radiological findings, can determine differential diagnoses and can make a
	definitive diagnosis.
2	Can put surgical treatment indications on patients, when necessary.
3	Can recognize and treat breast diseases, as well as to determine medical or surgical
	treatment options according to the approach algorithm for the mass in the breast.
4	Can detect the signs and symptoms of benign and malignant diseases of the upper
	and lower gastrointestinal tract, can diagnose the disease and can determine
	surgical treatment methods.
5	Can detect the signs and symptoms of benign and malignant diseases of the
	endocrine system, can diagnose the disease and can determine surgical treatment
	methods.
6	Can detect the signs and symptoms of benign and malignant diseases of the
	hepatobiliary system, can diagnose the disease and can determine surgical
	treatment methods.
7	Can diagnose and treat acid-base balance and fluid-electrolyte disorders.
8	Can examine ventral incisions and inguinal hernias and can determine surgical
	treatment options.
9	Can approach a patient with trauma and shock in terms of diagnosis and treatment
	and can determine the most appropriate treatment algorithm.
10	Can comprehend the indications and complications of these interventional methods
	by participating in the endoscopy and ERCP procedures as an observer.
11	Can reinforce the basic principles of surgical treatments by participating in the
	operations as an observer in the operating room.

DUTIES and RESPONSIBILITIES OF STUDENTS and OTHER ISSUES

RESPONSIBILITIES

- 1. The training and education activities within the Course/Course blocks are carried out under the supervision of the instructor in charge of the course.
- Before the clinical / outpatient applications, they introduce themselves as "Trainee Doctor" to the patient, give information and get permission from the patient, take the patient's medical history and perform a physical examination. They perform other medical procedures under the supervision of instructors.
- 3. The clothing of the trainee doctors in the working environment should be appropriate for the health worker.
- 4. Trainee doctors wear their ID cards visibly inside the hospital and in all educational environments.
- 5. Trainee doctors should wear a white doctor's coat inside the hospital.
- 6. They attend the theoretical and practical courses given by the instructors, as well as the applied trainings under the supervision of the instructors.
- 7. They attend visits during service working hours in line with the curriculum prepared by the department; They monitor all kinds of medical interventions for diagnosis and treatment in outpatient clinics, services and other diagnosis and treatment units, and perform the procedures in the practice list in accordance with the National Core Education Program / MSKU Extended Education Program at the specified level during course under the permission and supervision of the trainer.
- 8. In line with the program prepared by the department, they take the medical history of the patients given to them for educational purposes in the units, perform the physical examination, determine the preliminary diagnosis, make the interpretation and differential diagnosis of the case and present it to the lecturer.
- They act in accordance with the principles and rules of medical professional ethics and deontology during practices.
- 10. They now the rights of patients and their relatives, acts respectfully to these rights and abides by the principle of confidentiality of patient information.

- 11. They do not share, use or accumulate for other purposes, information, documents and samples obtained from patients during training and practice studies with third parties, including patient relatives.
- 12. The patient 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.
- 13. When they have serious information, observations and findings about patients that require changes in diagnosis and treatment, they immediately notify the relevant instructors.
- 14. They do not take the patient files out of the service.
- 15. They avoid behaviors that will harm patient safety and disrupt hospital hygiene.
- 16. During the course, they perform the tasks of preparing/presenting articles, preparing/presenting seminars, preparing/presenting interactive lessons, preparing/presenting cases and similar tasks.
- 17. All the work of the trainee students is for educational purposes only, and the trainee students cannot in any way be involved in the decisions, practices and records regarding the diagnosis, treatment, follow-up and medical care of the patients.
- 18. They know the patient rights regulation and the current health legislation and act accordingly.
- 19. During the course, it is important that the personal logbook is filled in carefully, signed and handed over to the responsible instructor at the end of the course.
- 20. They 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.
- 21. They act in accordance with the principles regarding attendance and other matters of Phase IV and V students in the MSKU Faculty of Medicine Education-Training and Examination Regulations.
- 22. As in all health institutions, they must comply with the rules, regulations and directives of the institution stated below.
 - ✓ Infection control rules
 - ✓ Rules on medical waste, household waste and recyclable waste
 - ✓ Radiation safety rules
 - ✓ Rules regarding employee health
 - ✓ Rules regarding patient safety

- ✓ Sample taking, sending, request writing, consent and similar rules
- ✓ Fire and safety precautions
- ✓ Ethical and deontological rules

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

OTHER ISSUES:

- In the first 6 weeks of the 7-week course period, theoretical course hours are available, no theoretical course is scheduled during the exam week and exam preparation is provided for the students.
- 2. During the entire course, in-training lists are determined, and patient preparation and presentation planning is made for all students. In this process, students should prepare their patients in detail (if necessary, come to the patient visit at the end of the theoretical course 1 day before) and present them completely in case-based discussions, and prepare the theoretical information for the related disease / diagnosis.
- 3. In accordance with the course list, the responsible student of each day should be present in the polyclinic after the visit and should be included in the patient evaluation under the supervision of the responsible lecturer.
- 4. Students who are observers of the operating room should learn about the cases they will be observers from the surgery list that comes out 1 day in advance and should come by preparing for the related diseases. During the operating room, sterility rules must be complied with completely.
- 5. -Students who will be observers in the endoscopy unit should review the anatomy and physiology of the gastrointestinal system and make theoretical preparations for common diseases related to endoscopic findings. (Relevant course trainings can be viewed asynchronously from DYS.)
- 6. Before the theoretical lesson hours, one should come to the lessons prepared in accordance with the curriculum, the topics should be examined from the suggested sources, the anatomy and physiology of the structure to be presented should be reviewed and the knowledge in the preclinical period should be refreshed. (Relevant course trainings can be viewed asynchronously from DYS.)

- 7. Students should come prepared to the literature hours that will be held every Friday, and make the necessary revisions by presenting the presentation they prepared to the responsible faculty member before.
- 8. The night watch list must be complied with and the on-duty physician and assistant physicians must observe the service within the knowledge of it. In emergency consultations, he/she should accompany the specialist physician on duty and observe the approach to the emergency patient.
- 9. Attendance is taken during morning visits, in-clinic rotations, and theoretical courses, and it should not be forgotten that absenteeism is the reason for failure in the course.
- 10. Interactive case-based discussions after bedside visits, in-clinic structured free working hours, preparations for literature hour and all theoretical preparations for in-clinic rotations (polyclinic, operating room, and endoscopy unit) include vertical learning model and learner-centered practice methods. In this sense, all learning activities are under the responsibility of the student, provided that they are in line with the direction of the faculty members.
- 11. The responsibility of the Course Report belongs to the student.

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, ELSEVİER	

ADDITIONAL RESOURCE(S)

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

ASSESMENT and EVALUATION

Assessment and Evaluation in 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	100 multiple		50%
Theoretical Test Exam	choice theoretical		
	questions		
Bedside Clinical	Bedside		25%
Practice Exam	anamnesis,		
	physical		
	examination,		
	preliminary		
	diagnosis,		
	treatment		
	planning		
Structured Classical	Theoretical		25%
Oral Examination	knowledge exam		
	under the		
	direction of at		
	least 2 lecturers		
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.

Multiple Choice Theoretical Test Exam Bedside Clinical Practice Exam Unstructured (Jury-Based) Classical Oral Examination

Assessment and Evaluation Methods in the Resit Examination

Assessment and	Explanation	Role in the End of	% Value at the End of
Evaluation Method		Course Evaluation	Course Evaluation
Multiple Choice	100 multiple		50%
Theoretical Test	choice theoretical		
Exam	questions		
Unstructured (Jury-	Theoretical		50%
Based) Classical	knowledge exam		
Oral Examination	under the		
	direction of at		
	least 2 lecturers		
Total			100%

Assessment and Evaluation Methods in the Single Course Resit Exam

Assessment and	Explanation	Role in the End of	% Value at the End
Evaluation Method	_	Course Evaluation	of Course Evaluation
Multiple Choice	100 multiple choice		50%
Theoretical Test	theoretical		
Exam	questions		
Unstructured (Jury-	Theoretical		50%
Based) Classical Oral	knowledge exam		
Examination	under the direction		
	of at least 2		
	lecturers		
Total			100 %

COURSE LOGBOOK

STUDENT'S NAME AND SURN	AME:						
STUDENT'S SCHOOL NO	:						
COURSE PERIOD	•						
APPLICATION	TEACHING STAFF (SIGNATURE)						
DATE							
1.Taking anamnesis							
2.Patient Physical Examination							
3.Blood Pressure Measurement							
4.Observing Surgical operations							
5.Clearly revealing the indications for the operation							
6.Paracentesis observation							
7.Port maintenance							
8.Taking wound culture							
9.Arterial blood gas evaluation							
10.Nasogastric tube insertion							
11.Foley catheter insertion							
12.Ability to interpret routine hemogram and biochemistry tests							
13.Measuring blood sugar with a strip							
DECISION: DASS	EAH						
Head of Department or Coordina Date: Signature:	rAIL tor:						

Faculty of Medicine													
English Medicine Program													
					Р	hase 4							
					Gener	al Sur	gery						
					C	Course							
				0	Compe	tence N	Aatrix						
Course	PO1	P02	PO3	PO4	PO5	P06	P07	P08	P09	PO10	PO11	PO12	PO13
General	5	5	4	4	1	1	3	2	2	1	4	4	4
Surgery													
* Completed a	ccordii	ng to th	ne follo	wing	progra	m outc	omes.	(Score	from () to 5.)			
PO: Program C	Jutcom	les of I	Faculty	of Me	dicine								
PO Link: http:	s://m	ıweb.n	nu.edu	.tr/tr/	progra	m-yete	rlilikle	ri-6598	?site=1	tip.mu.	edu.tr		

TRAINING ACTIVITY AND ASSESMENT AND EVALUATION METHODS MATCHING OF COURSE GAINS

Intended Learning Outcome	TRAINING ACTIVITY MATCHING	ASSESMENT AND EVALUATION METHODS MATCHING
1.Can take histories of emergency or elective surgery patients, can perform physical examinations, and combine history, clinical and laboratory findings with radiological findings, can determine differential diagnoses and can make a definitive diagnosis.	V, CR, C, VSL, R, L, Pr	PL, OE, TE
2. Can put surgical treatment indications on patients, when necessary.	V, CR, C, VSL, R, L, Pr	PL, OE, TE
3.Can recognize and treat breast diseases, as well as to determine medical or surgical treatment options according to the approach algorithm for the mass in the breast.	V, CR, C, VSL, R, L, Pr	PL, OE, TE
4.Can detect the signs and symptoms of benign and malignant diseases of the upper and lower gastrointestinal tract, can diagnose the disease and can determine surgical treatment methods.	V, CR, C, VSL, R, L, Pr	PL, OE, TE
5.Can detect the signs and symptoms of benign and malignant diseases of the endocrine system, can diagnose the disease and can determine surgical treatment methods.	V, CR, C, VSL, R, L, Pr	PL, OE, TE
6.Can detect the signs and symptoms of benign and malignant diseases of the hepatobiliary system, can diagnose the disease and can determine surgical treatment methods.	V, CR, C, VSL, R, L, Pr	PL, OE, TE
7.Can diagnose and treat acid-base balance and fluid-electrolyte disorders.	V, CR, C, VSL, R, L, Pr	PL, OE, TE
8.Can examine ventral incisions and inguinal hernias and can determine surgical treatment options.	V, CR, C, VSL, R, L, Pr	PL, OE, TE
9.Can approach a patient with trauma and shock in terms of diagnosis and treatment and can determine the most appropriate treatment algorithm.	V, CR, C, VSL, R, L, Pr	PL, OE, TE
10.Can comprehend the indications and complications of these interventional methods by participating in the endoscopy and ERCP procedures as an observer.	V, CR, C, VSL, R, L, Pr	PL, OE, TE
11.Can reinforce the basic principles of surgical treatments by participating in the operations as an observer in the operating room.	V, CR, C, VSL, R, L, Pr	PL, OE, TE
Abbreviations	1	

Teaching Activity: 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

	r									
Lecture Code	Hour	Lecture Type	Lecture Subject	NCEP-020 Matching	Course Aim Matching	Course Learning Outcome Matching	Activity Matching	Assessment and Evaluation	Vertical Integration	Horizontal Integration
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