



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

**COURSE of Chest Surgery
2022/2023 Academic Year
COURSE GUIDEBOOK**

Course Code: Med 5025

Course Topic Code: MED5-GCE

***This guide has been prepared by the Department of Chest Surgery Course Purpose, Target, Outcomes, Training and Education Contents, Methods, Educational Activities, Measurement and Evaluation Techniques, Course Logbook, Program Qualifications Matrix, Matching the Courses with NCEP 2020, Matching the Courses with the Course Objectives and Outcomes, Matching the Course Achievements with Measurement Techniques, Course Notification Form, Vertical/Horizontal Integration Status of Courses and Course Schedules were declared on 15.06.2022.**

PREFACE

Dear Students,

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

In this course program, which is going to continue for 1 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 Chest Surgery

GENERAL INFORMATION on COURSE

Course Title	: Chest Surgery
Main Department of Course	: Surgical Sciences
Department Responsible for Course	: Chest Surgery
Course Code	: MED-5025
Course Type	: Required
Duration of the Course	: 1 weeks
Teaching Method of the Course	: Formal
ECTS	: 1
Language	: English
Head of the department	: Prof. Dr. Arife Zeybek
 Teaching Staff	 :

Teaching Staff	Subject area	Theoretical Course duration (Hours)
Prof. Dr. Arife Zeybek	Chest Surgery	17
Assist. Prof. HG Bozdağ	Chest Surgery	18

Coordinator of the Department Education Program	: Prof. Dr. Arife Zeybek
Coordinator of the Course Education Program	: Prof. Dr. Arife Zeybek
Coordinator of the Course Examinations	: Assist. Prof. HG Bozdağ
Coordinator of Course Assessment and Evaluation	: Assist. Prof. HG Bozdağ
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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	Training and Research Hospital/ Morphology Building	
Inpatient bedside practice	Training and Research Hospital	4th Floor - chest Surgery Service
Policlinic	Training and Research Hospital	1st floor - chest Surgery Polyclinic
Case analysis	Morphology Building	1st floor - chest Surgery Service
Problem-based teaching		
Special audit applications	Training and Research Hospital	
Private field applications	Training and Research Hospital	

RELATED LEGISLATION

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

AIM(S) of the COURSE

1	In this course, students have sufficient knowledge and skills and gain attitudes to evaluate common diseases in chest surgery and their symptoms and signs within the scope of National CEP, to diagnose in primary care conditions, to create/apply/monitor a treatment plan, to make emergency interventions when necessary, and to refer them to a chest surgeon when necessary.
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OBJECTIVE(S) of the COURSE

1	To be able to recognize respiratory complaints and symptoms, take a general history.
2	To be able to perform Cardiovascular, respiratory, and musculoskeletal system examination.
3	To be able to interpret respiratory examinations and analyzes.
4	To be able to apply the principles of working with biological material.
5	To be able to read and evaluate direct radiographs.
6	To be able to measure blood pressure, take samples for culture.
7	To be able to apply oxygen and nebula inhaler therapy.
8	To be able to apply and interpret pulse oximetry.
9	To be able to explain the etiological causes and mechanisms of chest surgery diseases.
10	To be able to define chest surgery emergencies, to perform emergency treatment, to refer them to specialists when necessary.
11	To be able to identify chest trauma, make emergency treatment and evaluation, refer to a specialist when necessary.
12	To be able to make a preliminary diagnosis in lung cancer, make the necessary preliminary procedures, direct to the specialist, and apply preventive measures.
13	Explain the concept of sterile environment and gain hand washing skills.
14	To gain skills related to thoracentesis and interventions related to chest surgery on the model and to be able to explain tube thoracostomy and other major surgical methods.
15	To be able to make a preliminary diagnosis in lung cancer, to direct to the specialist by performing the necessary preliminary procedures and to apply preventive measures.

INTENDED LEARNING OUTCOME(S)

1	Can recognize respiratory complaints and symptoms, take a general history.
2	Can perform Cardiovascular, respiratory, and musculoskeletal system examination.
3	Can interpret respiratory examinations and analyzes.
4	Can apply the principles of working with biological material.
5	Can read and evaluate direct radiographs.
6	Can measure blood pressure, take samples for culture.
7	Can apply oxygen and nebula inhaler therapy.
8	Can apply and interpret pulse oximetry.
9	Can explain the etiological causes and mechanisms of chest surgery diseases.
10	Can define chest surgery emergencies, can perform emergency treatment, can refer them to specialists when necessary.
11	Can identify chest trauma, can make emergency treatment and evaluation, can refer to a specialist when necessary.
12	Can make a preliminary diagnosis in lung cancer, make the necessary preliminary procedures, direct to the specialist, and apply preventive measures.
13	Can explain the concept of sterile environment and gain hand washing skills.
14	Gains skills related to thoracentesis and interventions related to chest surgery on the model and explains tube thoracostomy and other major surgical methods.
15	Can make a preliminary diagnosis in lung cancer, can direct to the specialist by performing the necessary preliminary procedures and can apply preventive measures.

DUTIES AND RESPONSIBILITIES OF STUDENTS

Course duration is 1 week.

In addition to the theoretical courses, "patient practice" courses are carried out during the course.

Students are responsible for completing the course report card for each application they make during the course.

During the course, students are expected to comply with the dress code and to have a white coat, stethoscope for examination or additional equipment with them during the bedside practice hours.

Students are expected to actively participate in taking anamnesis from the patient, conducting a physical examination of the patient, and preparing the patient file, together with a faculty member or rotational research assistant. Students are expected to participate in article and case presentations every day in accordance with the monthly academic program together with faculty members and research assistants.

They are expected to gain the concept of sterile environment and sterile hand washing skills in operating room conditions.

It is expected to gain the ability to perform thoracentesis on the model under sterile conditions. During the course, trainees are expected to know the working conditions with biological material in service applications, to take samples for culture, to measure their own patient's blood pressure, to apply and interpret pulse oximetry, and to evaluate direct radiography.

Students are expected to continue in full for theoretical or practical application in the designated Classrooms and Study Areas, in the announced syllabus hours (unless a change is reported by the relevant faculty member during the course period). According to the regulation, there is a 70% attendance requirement in theoretical courses and 80% in applied courses in Term 5.

RECOMMENDED RESOURCE(S)

KEY RESOURCE(S)

KEY RESOURCE(S)	Matched Course Outcome(s)
1-Göğüs Cerrahisi 1-2 Cilt	1,2,3,5,6,7,8,9,10
2-Göğüs Cerrahisi Kırmızı Kitap	1,2,3,5,6,7,8,9,10
3- Anabilim Dalı Slayt ve Videoları	1,2,3,5,6,7,8,9,10

ADDITIONAL RESOURCE(S)

ADDITIONAL RESOURCE(S)	Matched Course Outcome(s)
1. Göğüs Cerrahi Stajyer Kitabı, (Türk Toraks Derneği Yayını)	1,2,3,5,6,7,8,9,10
2. Erişkin Göğüs Cerrahisi, Sugarbaker	1,2,3,5,6,7,8,9,10

ASSESSMENT and EVALUATION

Assessment and Evaluation Methods in the End of 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	3
Course Logbook		Compulsory	2
Multiple Choice Theoretical Test Exam*	Multiple choice questions		40
Bedside Clinical Practice Exam**			5
Structured Oral Examination***	Under the supervision of at least two faculty members		50
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.

1 st stage: Multiple Choice Theoretical Test Exam

2 nd stage: Structured Oral Examination + Bedside Clinical Practice Exam

Assessment and Evaluation in Resit Examination

Assessment and Evaluation Method	Explanation	Role in the End of Course Evaluation	% Value at the End of Course Evaluation
Multiple Choice Theoretical Test Exam*	Multiple choice questions		50
Structured Oral Examination**	Under the supervision of at least two faculty members		50
Total			%100

Assessment and Evaluation in Single Course Resit Exam

Assessment and Evaluation Method	Explanation	Role in the End of Course Evaluation	% Value at the End of Course Evaluation
Multiple Choice Theoretical Test Exam*	Multiple choice questions		50
Structured Oral Examination**	Under the supervision of at least two faculty members		50
Total			%100

Faculty of Medicine
English Medicine Program
Phase V
Chest Surgery COURSE
Competence Matrix

The Name of the Course	Py1	Py2	Py3	Py4	Py5	Py6	Py7	Py8	Py9	Py10	Py11	Py12	Py13
Chest Surgery	5	5	5	5	5	5	5	5	5	4	2	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>

TRAINING ACTIVITY AND ASSESMENT AND EVALUATION METHODS MATCHING OF COURSE GAINS

Intended Learning Outcome	TRAINING ACTIVITY MATCHING	ASSESSMENT AND EVALUATION METHODS
1. Can recognize respiratory complaints and symptoms, take a general history.	V,CR,C	OE, TE
2.Can perform Cardiovascular, respiratory, and musculoskeletal system examination.	C	OE
3.Can interpret respiratory examinations and analyzes.	C	OE
4.Can apply the principles of working with biological material.	R,L	OE
5.Can read and evaluate direct radiographs.	Pr	OE,TE
6.Can measure blood pressure, take samples for culture.	R	P-L, OE
7.Can apply oxygen and nebula inhaler therapy.	C,V	P-L
8.Can apply and interpret pulse oximetry.	C,V	OE, TE
9.Can explain the etiological causes and mechanisms of chest surgery diseases.	C,V	P-L
10.Can define chest surgery emergencies, can perform emergency treatment, can refer them to specialists when necessary.	C,V	OE, TE
11.Can identify chest trauma, can make emergency treatment and evaluation, can refer to a specialist when necessary.	C	OE, TE
12.Can make a preliminary diagnosis in lung cancer, make the necessary preliminary procedures, direct to the specialist, and apply preventive measures.	V,C,CR,	OE, TE
13.Can explain the concept of sterile environment and gain hand washing skills.	V,C,CR,	OE, TE
14.Gains skills related to thoracentesis and interventions related to chest surgery on the model and explains tube thoracostomy and other major surgical methods.	V,C,CR,	OE, TE
15.Can make a preliminary diagnosis in lung cancer, can direct to the specialist by performing the necessary preliminary procedures and can apply preventive measures.	V,C,CR,	OE, TE
Abbreviations Teaching Activity: Theoretical lessons (T), 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 POGRAM

Lecture Code*	Hour	Lecture Type	Lecture Subject	Course Aim Matching	Course Learning Outcome Matching	Activity Matching**	Assessment and Evaluation Method matching **	Vertical Integration	Horizontal Integration
MED5-GCE-001	1	T	Chest surgery topographic anatomy	1	1-10-11	V		Phase2	
MED5-GCE002	1	T	Pleural diseases	1	1-3-4-5-7-8-9-10-13-14	T,C R	OE,TE	Phase 4- Chest Diseases Course	
MED5-GCE-003	1	T	Pneumothorax and its surgery	1	1-2-3-5-7-8-10-13	T,C R,V SL	OE,TE		Phase 6 Emergency Medicine Course
MED5-GCE-004	1	T	Lung Cancers Diagnosis, Staging and Surgical Treatment	1	12	T,C R,V, C	OE,TE	Phase 4- Chest Diseases Course	
MED5-GCE-005	1	T	Chest Wall Deformities Diagnosis, Classification, Surgical Approach	1	1-2-3-4-5-6-7	T,C R,V, C	OE,TE		Phase 5 Pediatric Surgery Course And Orthopedics Course
MED5-GCE-006	1	T	Lung Hydatid Cyst Diagnosis and Treatment	1	1-3-4-5-9	T,C R,V, C	OE,TE	Phase 4- general surgery Course	
MED5-GCE-007	1	T	Chylothorax Diagnosis and Surgical Treatment	1	1-3-4-5-9	T,C R,V, C	OE,TE		
MED5-GCE-008	1	T	Chest Outlet Syndrome Diagnosis and Surgical Treatment	1	1-2-3-4-5-6-7	T,C R,V, C	OE,TE		
MED5-GCE-009	1	T	Mediastinal Tumors Surgical Approach	1	1-2-3-5-7-8-10-13	T,C R,V, C	OE,TE		
MED5-GCE-0010	1	T	Chest Wall Tumors Surgical Approach	1	1-2-3-5-7-8-10-13	T,C R,V, C	OE,TE		
MED5-GCE-	1	T	Bronchiectasis Diagnosis and Surgical Treatment	1	1-3-4-5-9	T,C R,V,	OE,TE	Phase 4- Chest Diseases	

0011						C		Course	
MED5-GCE-0012	1	T	Lung Abscess Diagnosis, Treatment Approach	1	1-3-4-5-9	T,C R,V, C	OE,TE	Phase 4- Chest Diseases Course	
MED5-GCE-0013	1	T	Diaphragmatic Traumas and Diseases	1	1-2-3-4-5-6-7	T,C R,V, C	OE,TE	Phase 4- general surgery Course	Phase 5 Pediatric Surgery Course
MED5-GCE-0014	1	T	Empyema Diagnosis, Treatment Approach	1	1-2-3-5-7-8-10-13	T,C R,V, C	OE,TE	Phase 4- Chest Diseases Course	
MED5-GCE-0015	1	T	Chest Surgery Emergencies	1	1-2-3-5-7-8-10-13	T,C R,V, C	OE,TE		
		1							

EXPLANATIONS:

* Lecture code will be formed by writing 001, 002,... at the end of the code taken from the "Codes for Phase 5 matrix" section.

****Abbreviations**

Teaching Activity: Theoretical lessons (T), 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)