

DISCIPLINE SHEET**ACADEMIC YEAR****2022- 2023****1. DATA ABOUT THE STUDY PROGRAM**

1.1 Institution of higher education	UNIVERSITY OF MEDICINE AND PHARMACY OF CRAIOVA
1.2 Faculty	MEDICINE
1.3 Department	6
1.4 Study Domain	HEALTH
1.5 Study cycle	LICENCE
1.6 Study program/ Qualification	MEDICINE

2. DATA ABOUT THE DISCIPLINE

2.1 DISCIPLINE NAME		THORACIC SURGERY	
2.2. Discipline code		MED4112	
2.3 The holder of course activities		Associate Professor Demetrian Alin-Dragos	
2.4 The holder of seminar activities		Associate Professor Demetrian Alin-Dragos, Assistant Professor Dobrinescu Adrian-Gabriel	
2.5. Academic degree		Associate Professor, Assistant Professor	
2.6. Employment (base norm/associate)		base norm	
2.7. Year of study	IV	2.8. Semester	I
2.9. Course type (content)			CRD
2.10. Regime of discipline (compulsoriness)			

3. THE ESTIMATED TOTAL TIME (teaching hours per semester)

3.1 Number of hours per week	2	3.2 From which - course	1	3.3 Clinical stage	1
3.4 Total hours in curriculum	28	3.5 From which - course	14	3.6 Clinical stage	14
Time found distribution (hours)					
Study from manual, course support, bibliography, and notes					10
Additional documentation in the library, specialized electronic platforms and, on the field					3
Training seminars / labs, homework, reports, portfolios, and essays					4
Tutoring					1
Examinations					2
Other activities, counselling, student scientific programs					2
3.7 Total hours of individual study	22				
3.9 Total hours per semester	50				
3.10 Number of credits ¹	2				

4. PREREQUISITES (where appropriate)

4.1 curriculum	Basic notions of anatomy, physiology, physiopathology and medical semiology
4.2 competency	Filling of a clinical observation sheet

5. CONDITIONS (where appropriate)

5.1. course methodology	-lecture room with video projector/online.
5.2. of seminary/ lab deployment	-bedside, operating room/ online.

6. SPECIFIC COMPETENCES ACCRUED

PROFESSIONAL COMPETENCES	C1. Identification the disease status and establishing the correct diagnosis of thoracic diseases.
	C2. Designing and implementing of a treatment plan appropriate for identified thoracic condition (diseases).
	C3. Correct assessment of disease risk and context of occurrence of an individual / collective disease, followed by the selection and application of appropriate prophylaxis measures.
	C4. To address health issues/illness from the perspective of community specifics, directly related to the social, economic and/or cultural specific to community.
	C5. To initiate and conduct a scientific research activity and / or a training activity inside the field of competence

TRANSVERSAL COMPETENCES	<p>CT1. Autonomy and responsibility</p> <ul style="list-style-type: none"> the acquisition of moral reference points, the formation of professional and civic attitudes, that will allow to the students to be fair, honest, helpful, understanding, non-confrontational, to cooperate and to be comprehensive in the face of suffering, to be available to help people, and to be interested in community development; to know, to respect and to contribute to the development of moral values and professional ethics; to learn how to recognize the problems when they arise, and provide solutions for solving them. <p>CT2. Social interaction</p> <ul style="list-style-type: none"> to recognize and to have respect for diversity and multiculturalism; to have or to learn how to develop teamwork skills; to communicate orally and in writing the manner of work requirements, the obtained results, to consult with the team; to engage themselves in voluntary activities, to know the essential problems of the community. <p>CT3. Personal and professional development</p> <ul style="list-style-type: none"> to have opening to lifelong learning, to be aware for self-study as a basis of personal autonomy and professional development; to derive the optimum and creative potential in their own collective activities; to know how to use information and communication technologies.
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7. DISCIPLINE OBJECTIVES (based on the grid of specific competences acquired)

7.1 The general objective of the discipline	<p>To establish the diagnosis of surgical diseases.</p> <ul style="list-style-type: none"> To decide the method of solving surgical emergencies. To effectively guide the patients with malignant disease according to therapeutic algorithms.
7.2 The specific objectives of the discipline	<p>At completion of the course the student will be able to:</p> <ul style="list-style-type: none"> To establish the diagnosis of thoracic surgery diseases. To decide the method of solving thoracic surgery emergencies (pneumothorax, massive pleural effusion, cardiac tamponade, acute respiratory failure, etc). To apply the diagnostic and therapeutic algorithms for thoracic malignancies.

8. CONTENTS

8.1 Course (content units)	hours
The pathology of the thoracic wall	1
The pathology of the pleura	2
The broncho-pulmonary infections	1
The pleuro-pulmonary hydatid cyst	1
The tracheo-broncho-pulmonary congenital malformations	1
The benign and malignant tracheo-broncho-pulmonary tumors	2
The surgical pathology of the mediastinum	1
The surgical pathology of the diaphragm	1
The thoracic trauma	2
The surgical pulmonary tuberculosis and the post tuberculosis syndromes	1
The pericarditis	1

<p>BIBLIOGRAPHY</p> <ul style="list-style-type: none"> CHIRURGIE TORACICĂ, CAIET DE LUCRĂRI PRACTICE – R.M.COTULBEA, Editura Didactica si Pedagogica, 1999 TRATAT DE CHIRURGIE TORACICĂ (VOL. IV – TRATAT DE CHIRURGIE) – T.HORVAT – Editura Academiei Române 2008 (at the discipline location) GENERAL THORACIC SURGERY – T.SHIELDS – Lippincott Williams & Wilkins 2005 (at the discipline location) 	
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8.2 Practical work (topics / themes)	No. of hours
1. The clinical examination of the patient with thoracic surgery pathology.	1
2. Investigation methods in the thoracic surgery pathology.	1
3. Preoperative preparation, anesthesia, operatory techniques in thoracic surgery.	1
4. Postoperative management and postoperative complications in thoracic surgery.	1
5. The thoracic drainage – indications, technique, incidents and accidents.	1
6. Thoracocentesis and pericardocentesis - indications, technique, incidents and accidents.	1
7. The minimal invasive interventions in thoracic surgery.	1
8. The broncho-pulmonary cancer – clinical cases presentations.	1
9. The thoracic trauma - clinical cases presentations.	1
10. The surgical pulmonary tuberculosis - clinical cases presentations.	1
11. The surgical pathology of the mediastinum, the esophagus and the diaphragm- clinical cases presentations.	1
12. The broncho-pulmonary infections - clinical cases presentations.	1
13. The pathology of the pleura - clinical cases presentations.	1
14. The pathology of the thoracic wall – clinical cases presentations.	1
BIBLIOGRAPHY	
<ul style="list-style-type: none"> • CHIRURGIE TORACICĂ, CAIET DE LUCRĂRI PRACTICE – R.M.COTULBEA, Editura Didactica si Pedagogica, 1999 • TRATAT DE CHIRURGIE TORACICĂ (VOL. IV – TRATAT DE CHIRURGIE) – T.HORVAT – Editura Academiei Române 2008 (at the discipline location) • GENERAL THORACIC SURGERY – T.SHIELDS – Lippincott Williams & Wilkins 2005 (at the discipline location) 	

9. CORROBORATING THE DISCIPLINE CONTENT WITH THE EXPECTATIONS OF EPISTEMIC COMMUNITY REPRESENTATIVES, PROFESSIONAL ASSOCIATIONS AND EMPLOYEE REPRESENTATIVES RELATING TO THIS PROGRAM

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10. METHODOLOGICAL LANDMARKS

Types of activity	Teaching Techniques / learning materials and resources:
Course	Lecture, Presentation In case of special situations (alert states, emergency conditions, other types of situations that limit the physical presence of people) the activity can be carried out online using computer platforms approved by the Faculty / University. The online education process will be adapted accordingly to ensure the fulfilment of all the objectives provided in the discipline sheet.
Practical work	Heuristic conversation, examining conversation, experiment, demonstration, algorithmization, problem-solving, case study. In case of special situations (alert states, emergency conditions, other types of situations that limit the physical presence of people) the activity can be carried out online using computer platforms approved by the Faculty / University. The online education process will be adapted accordingly to ensure the fulfilment of all the objectives provided in the discipline sheet.
Individual study	<i>Within the Thoracic Surgery Students Debating Circle „CeChiT”</i> : deepening practical knowledge of Thoracic Surgery and research skills development of the students.

11. RECOVERY PROGRAM

	No. absences that can recover	Location of deployment	Period	In charge	Scheduling of topics
Absences recoveries	3	Thoracic Surgery Clinic –SCJUC 9 th floor	Friday 10.00 – 11.00	Associate Professor Alin Demetrian Assistant Professor Adrian Dobrinescu	According to the topics of the absence day
Schedule consultations / Students' Scientific Program	-	Thoracic Surgery Clinic –SCJUC 9 th floor	Wednesday 13.00 – 14.00 / Bisemestrial	Associate Professor Alin Demetrian Assistant Professor Adrian Dobrinescu	Topics listed during the preceding week of the meeting at the discipline (Thoracic Surgery Clinic)
Program for students poorly trained	-	Thoracic Surgery Clinic	Following periodical	Associate Professor Alin Demetrian	According to deficient thread or

		-SCJUC 9 th floor	evaluations, Friday 11.00 – 12.00	Assistant Professor Adrian Dobrinescu	students requirement
12. ASSESMENT					
Type of activity	Type of assessment		Methods of evaluation		Percentage of final grade
Lecture	Formative assessment through debates and surveys during the semester Summative assessment during the exam		Multiple Choice Questions Answering System (MCQ)/MCQ with the help of the IT platform in the online version.		80%
Practical work	Periodic assessment during the semester Summative assesment during the exam		linical evaluation simultaneously with the MCQs / with the help of the video platform in the online version.		10%
Periodic assessment					-
Assessment of individual activity					10%
Minimum performance standard					At least 50% for each component of the evaluation
13. GUIDANCE AND COUNSELLING PROGRAMS					
Professional guidance and counselling programs (2 hours/monthly)					
Scheduling the hours	Location			In charge	
Wednesday 14.00 – 15 .00	Thoracic Surgery Clinic -SCJUC 9 th floor			Associate Professor Alin Demetrian Assistant Professor Adrian Dobrinescu	

Endorsement date in the department: 27.09.2022

Department Director,
Prof. Valeriu ŞURLIN

Coordinator of study program,
Prof. Marius Eugen CIUREA

Discipline holder,
Assoc.Prof. Alin DEMETRIAN