

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		ONCOLOGICAL SURGERY			
2.2. Discipline code		MED4215.3			
2.3 The holder of course activities		Lecturer Sandu Ramboiu			
2.4 The holder of seminar activities		-			
2.5. Academic degree		Lecturer			
2.6. Employment (base norm/associate)		Base norm			
2.7. Year of study	IV	2.8. Semester	II	2.9. Course type (content) 2.10. Regime of discipline (compulsoriness)	ESD

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

3.1 Number of hours per week	1	3.2 From witch - course	1	3.3 seminary/laboratory	-
3.4 Total hours in curriculum	14	3.5 From witch - course	14	3.6 seminary/laboratory	-
Time found distribution (hours)					
Study from manual, course support, bibliography, and notes					12
Additional documentation in the library, specialized electronic platforms and, on the field					6
Training seminars / labs, homework, reports, portfolios, and essays					12
Tutoring					6
Examinations					
Other activities, counselling, student scientific programs					
3.7 Total hours of individual study	36				
3.9 Total hours per semester	50				
3.10 Number of credits ¹	2				

4. PREREQUISITES (where appropriate)

4.1 curriculum	Students need to have solid knowledge of anatomy, physiology, medical and surgical semiology
4.2 competency	

5. CONDITIONS (where appropriate)

5.1. of course deployment	- individual reading homework prior to course, Power Point presentation with interactive discussions, drafts of diagnostic algorithms, treatment options or surgical procedures
5.2. of seminary/ lab deployment	Preparing homework prior to clinical seminary

6. SPECIFIC COMPETENCES ACCRUED

PROFESSIONAL COMPETENCES	<p>C1 – to identify the illness status and to establish the correct diagnosis of the disease/diseases,</p> <p>C2 – preparing and applying an adequate treatment plan for the identified condition(s).</p> <p>C3 – assessing correctly the risk of disease or the context of the occurrence of an individual/collective disease, followed by the selection and implementation of adequate prophylactic measures.</p> <p>C4 – approaching the health/ill-health issues from the point of view of the characteristics of the community, in direct relation with the social, economic and/or cultural conditions of the respective community,</p> <p>C5 – to initiate and perform scientific and/or training activity in the respective domain of competence.</p>
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TRANSVERSAL COMPETENCES	<p>CT1 Autonomy and responsibility</p> <ul style="list-style-type: none"> • development of moral guidelines, training of professional and civic attitudes that allow students to be correct, honest, non-confrontational, cooperative, sympathetic to suffering, ready to help people, interested to contribute to community development; • to recognize, to respect and to contribute to development of moral values and professional ethics; • to learn to recognize an issue when it arises and to offer solutions for solving it. <p>CT2 Social interactions</p> <ul style="list-style-type: none"> • to recognize and to respect diversity and multiculturalism; • to have or to learn the development of teamwork skills, • to communicate orally or in writing the requirements, method of work, the results and to interact with team members, • to be involved in volunteering, to be aware of the community key issues. <p>CT3 Personal and professional development</p> <ul style="list-style-type: none"> • to be ready for lifelong learning, • to appreciate the necessity of individual study as the basis for personal autonomy and professional development, • to exploit his/her own creative potential in collective activities, • to know how to use the information and communication technology.
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7. DISCIPLINE OBJECTIVES (based on the grid of specific competences acquired)

7.1 The general objective of the discipline	<ul style="list-style-type: none"> - to achieve fundamental knowledge about the etiopathogeny, physiopathology, anatomical pathology, clinical signs, imagistic and lab explorations, diagnosis and treatment of different surgical diseases, - to be able to establish both the positive and differential diagnosis of a certain surgical pathology, - to be able to decide and to apply the treatment in case of a surgical emergency.
7.2 The specific objectives of the discipline	<p>Through a curricula adapted to European quality standards, using teaching and assessment methods and involving students in the clinical activity of a surgical department, the discipline of general surgery aims to train cognitive skills, habits and attitudes that form the foundation of any preventive, diagnostic, curative or rehabilitation medical act. Upon completion of the discipline, the student will be able to acquire:</p> <ol style="list-style-type: none"> 1. Cognitive skills, which will enable: <ul style="list-style-type: none"> - to have the necessary knowledge and skills needed for the diagnosis of surgical disorders, - to establish and to apply the correct therapeutic algorithm for surgical indication disorders, - to know the preoperative preparation methods of patients requiring surgery, - to monitor the postoperative status of the patient and to apply the therapeutic algorithm in case of a postoperative complication. 2. Practical skills <ul style="list-style-type: none"> - to perform general and local abdominal physical examination, - to monitor the daily status of the surgical patient, mentioning his biological curves, - to suture a superficial wound, - to know the clinical signs of major surgical diseases, - to know how to conduct a proper dressing, - to examine an abdominal drainage and to be able to suppress a drainage tube when necessary. 3. Attitudes <ul style="list-style-type: none"> - to be open to acquire moral guidelines, training of professional and civic attitudes allowing students to be honest, non-confrontational, cooperative, sympathetic to suffering, ready to help people, interested in community development, - to know, respect and contribute to development of moral values and professional status, - to learn to recognize an arising issue and to provide solutions for solving it, - to have respect for diversity and multiculturalism, - to communicate orally and in writing the requirements, method of work, the results and to interact with team members, - to be ready for lifelong learning, - to appreciate the necessity of individual study as the basis for personal autonomy and professional development,

	<ul style="list-style-type: none"> - to exploit his/her own creative potential in collective activities, - to know how to use the information and communication technology, - to initiate and to be involved in discipline educational and scientific activities.
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8. CONTENTS

8.1 Course (content units)	Hours
F1.lp1 Oncological surgery of the esophagus	2
F1.lp2 Oncological surgery of the stomach	2
F1.lp3 Oncological surgery of the rectum and colon	2
F1.lp4 Oncological surgery of the pancreas	2
F1.lp5 Oncological surgery of the liver and biliary routes	2
F1.lp6 Oncological surgery of the breast	2
F1.lp7 Oncological surgery of the thyroid gland	2
TOTAL	14

BIBLIOGRAPHY

1. Principles and Practice of Surgical Oncology, 2010. Authors: HOWARD SILBERMAN, ALLAN W. SILBERMAN.
2. Principles and practice of Gastrointestinal Oncology, 2008. Authors: DAVID P. KELSEN, JOHN M. DALY, SCOTT E. KERN, BERNARD LEVIN, JOEL E. TEPPER, ERIC VAN CUTSEM
3. Cancer Medicine, 2006. Authors: KUFE D., BAST R., HONG W., POLLOCK R., WELCHSELBAUM R., HOLLAND J., FREI E.
4. Operative standards for Cancer Surgery, Volume II: Thyroid, Gastric, Rectum, Esophagus, Melanoma, 2018. Author: American College of Surgeons Clinical Research Program, Mathew HG Katz MD

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

- The discipline of Oncological Surgery allow students fixing of the basic notions regarding oncogenesis, pathophysiology, pathological anatomy, diagnosis and treatment of various oncological diseases

10. METHODOLOGICAL LANDMARKS

Types of activity	Teaching Techniques / learning materials and resources: exposure, interactive lecture, teamwork, problem-based learning etc. 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 file.
Course	Lecture debate, questioning
Practical work	Practical applications, case-study, projects
Individual study	Prior course and clinical seminary

11. RECOVERY PROGRAM

Absences recoveries	No. absences that can recover	Location of deployment	Period	In charge	Scheduling of topics
	3	4 th Surgical Department	Every Friday of semester	Lecturer Sandu Ramboiu	Chronological, 2 topics/day
Schedule consultations / Students' Scientific Program	-	4 th Surgical Department	Weekly	Lecturer Sandu Ramboiu	Topic of the week
Program for students poorly trained	-	4 th Surgical Department	Weekly	Lecturer Sandu Ramboiu	Topic of the week

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	Multiple Choice Questions Answering System (MCQ)/MCQ with the help of the IT platform in the online version.	90%

	exam		
Clinical stage	Periodic assessment during the semester Summative assesment during the exam	Clinical evaluation simultaneously with the MCQs / with the help of the video platform in the online version.	
Periodic verification			
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
The last Friday of each month		4 th Surgical Department	Lecturer Sandu Ramboiu

Endorsement date in the department: 27.09.2022

**Department Director,
Prof. Valeriu ȘURLIN**

**Coordinator of study program,
Prof. Marius Eugen Ciurea**

**Discipline holder,
Lecturer Sandu Ramboiu**