



## DISCIPLINE SHEET

### 1. Study programme

1.1.	"CAROL DAVILA" UNIVERSITY OF MEDICINE AND PHARMACY BUCHAREST
1.2.	FACULTY OF DENTISTRY
1.3.	DEPARTMENT 2
1.4.	DISCIPLINE: SURGICAL SEMIOLOGY. GENERAL SURGERY. ANESTHESIA AND INTENSIVE CARE
1.5.	STUDY DOMAIN: Health, sectoral regulated within the European Union
1.6.	STUDY LEVEL: I (Bachelor's degree) and II (Master's degree)
1.7.	STUDY PROGRAMME: DENTAL MEDICINE IN ENGLISH

### 2. Discipline

2.1.	Discipline name according to the study curriculum: SURGICAL SEMIOLOGY. GENERAL SURGERY. ANESTHESIA AND INTENSIVE CARE				
2.2.	Discipline code: MD03S09				
2.3.	Discipline type (FD/SD/CD): DS				
2.4.	Discipline optionality (COD/ED/FAD): COD				
2.5.	Lectures tenure: Niculae Iordache (MD, PhD) – Professor Octav Ginghina (MD, PhD) – Professor Mircea Litescu (MD, PhD) – Associate Professor				
2.6.	Practical classes/seminar tenure: Octav Ginghina (MD, PhD) – Professor Alina IORGULESCU (MD, PhD) - Assistant Professor Dan MITOIU (MD, PhD) – Assistant Professor Razvan IOSIFESCU (MD, PhD) – Assistant Professor Andrei STOICA (MD, PhD) – Assistant Professor Liviu DRAGHICI (MD, PhD) – Assistant Professor Iulia BISTRICEANU (MD, PhD) – Assistant Professor Mara MARDARE (MD, PhD)-Assistant Professor Alina PUSCASU (MD, PhD)- – Assistant Professor				
2.7. Year of study	III	2.8. Semester	VI	2.9. Evaluation (E/C/V)	E

### 3. Estimated total time (hours/semester of teaching and training activity /individual study)

I. University training							
3.1. Number of hours per week	6	from which:	3.2. lecture:	Surgical semiology 1 General Surgery 1.86 Anesthesia and Intensive care 0.14	3	3.3. practical class/seminar	3 Surgical semiology 1 General Surgery 1.86 Anesthesia and Intensive care 0.14
3.4. Total hours in the study curriculum	84	from which:	3.5. lectures:	Surgical semiology 14 General Surgery 26 Anesthesia and Intensive care 2	42	3.6. practical class/seminar	42 Surgical semiology 14 General Surgery 26 Anesthesia and Intensive care 2
II. Preparation/individual study							
Time distribution					hours		

<b>Study of lecture materials, textbooks, books, study of the minimum recommended bibliography</b>	30
<b>Additional documentation activity in the library, on online platforms</b>	10
<b>Specific preparation activities for projects, practical classes, preparation of assignments, reports</b>	7
<b>Preparation for presentations or evaluations, preparation for the final examination</b>	10
<b>Tutoring activity</b>	7
<b>Other activities</b>	2
<b>3.7. Total hours of individual study</b>	<b>66</b>
<b>3.8. Total hours per semester (3.4.+3.7.)</b>	<b>150</b>
<b>3.9. Number of credits</b>	<b>5</b>

#### 4. Prerequisites (where appropriate)

<b>4.1. curriculum</b>	Knowledge of: Normal anatomy and pathological anatomy Normal physiology and pathophysiology Medical semiology
<b>4.2. proficiencies</b>	To know: - location of the topographic regions of the body - the location of the organs corresponding to the topographic regions - the technique of examining the patient (inspection, auscultation, percussion, palpation)

#### 5. Conditions (where appropriate)

<b>5.1. for lecture activity</b>	Amphitheatre minimum 70 seats, computer, video projector Students will have their mobile phones turned off Consumption of food and drink during the course is not allowed Delay in class will not be tolerated
<b>5.2. for practical class/ seminar activity</b>	Facilities of a general surgery department The student will complete his individual portfolio and the internship notebook Students will be equipped with gowns according to the section standard. Students will have their mobile phones turned off Consumption of food and drink during the internship is not allowed Delay of students at the internship will not be tolerated

#### 6. Learning outcomes\*

<b>Knowledge</b>	<b>Skills</b>	<b>Responsibility and autonomy</b>
The student/graduate identifies, describes, explains and analyzes the general principles of surgical interventions, anesthesia and intensive care, as well as perioperative care techniques, correlated with various types of surgical pathologies and approached multidisciplinary in	The student/graduate correctly uses and integrates clinical and paraclinical assessment methods and techniques; improves their practical skills, under appropriate supervision, through the assessment and	The student/graduate collaborates and supports the activities of the medical team, actively participating, under appropriate supervision, in surgical, anesthesia and intensive care interventions, as well as in perioperative care.

anesthesia and intensive care (AIT), general surgery, with particularities for dentistry/dental medicine.	management of perioperative care and treatments	
The student/graduate explains and correlates clinical and paraclinical data specific to surgical pathology, integrating fundamental knowledge from anatomy, physiology, and pathology.	The student/graduate uses and integrates paraclinical examination results to formulate diagnostic hypotheses and guide therapeutic decisions.	The student/graduate collaborates interdisciplinarily and communicates effectively with the medical team and the patient, respecting ethical and deontological principles in medical practice.

## 7. Discipline objectives (correlated with learning outcomes)

<b>7.1. General objective</b>	<ul style="list-style-type: none"> <li>- Knowledge of surgical semiology and pathology with emphasis on first aid measures in surgical emergencies, cardiorespiratory resuscitation manoeuvres, recognition of emergencies to be referred to surgery.</li> <li>- Acquiring the most effective means of communication with the patient and improving the skills needed to examine patients in order to stabilize a correct clinical diagnosis;</li> <li>- Acquiring the skills to design a paraclinical investment plan;</li> <li>- Proper behaviour in the operating room.</li> </ul>
<b>7.2. Specific objectives</b>	<p><b>To know the notions of propaedeutics and surgical semiology:</b></p> <ul style="list-style-type: none"> <li>- clinical examination and first-line therapeutic measures in trauma</li> </ul> <p><b>To know the notion of surgical pathology:</b></p> <ul style="list-style-type: none"> <li>- asepsis and antisepsis, haemorrhage and haemostasis, treatment of wounds and surgical infections;</li> <li>- clinical examination and first-line therapeutic measures in trauma, including measures for cardiorespiratory resuscitation</li> <li>- the basics of local, regional and general anaesthesia.</li> </ul> <p><b>Knowledge of the main surgical diseases of the digestive system, vascular system, endocrine system, breast with emphasis on:</b></p> <ul style="list-style-type: none"> <li>- their recognition based on clinical signs</li> <li>- immediate referral to an emergency department</li> <li>- recognition of clinical warning signs in case of malignant pathology,</li> <li>- methods of diagnosis and surgical treatment,</li> <li>- urgently needed first aid measures and therapeutic gestures.</li> </ul> <p><b>Knowledge and practice:</b></p> <ul style="list-style-type: none"> <li>- small surgical procedures in compliance with the rules of asepsis and antisepsis (injections, dressings, bandages).</li> <li>- first aid manoeuvres in tailcoats, burns, surgical infections, temporary haemostasis in external haemorrhages, suturing of superficial wounds.</li> <li>- examination of a surgical patient, collection and transport of biological samples, interpretation of laboratory analyses and imaging investigations, formulation of a diagnosis, appropriate behaviour in the operating room.</li> </ul>

## 8. Contents

<b>8.1. Lecture</b>	<b>Teaching methods</b>	<b>Observations</b>
1. Semiotics of surgical diseases of the mammary gland	Lecture, structured presentation, interactive, case studies	Oral presentations supported by PowerPoint slides

2. Semiotics of localized and generalized surgical infections and of acute surgical abdomen		Oral presentations supported by PowerPoint slides
3. Semiotics of surgical diseases of the peripheral arterial and venous system		Oral presentations supported by PowerPoint slides
4. Semiotics of surgical diseases of the abdominal wall		Oral presentations supported by PowerPoint slides
5. Semiotics of surgical diseases of the colon, rectum, and anus		Oral presentations supported by PowerPoint slides
6. Semiotics of surgical diseases of the liver, biliary tract, and pancreas		Oral presentations supported by PowerPoint slides
7. Semiotics of surgical diseases in the oncological patient and general principles of intensive care		Oral presentations supported by PowerPoint slides
1. Basic elements of Intensive Care and Anesthesiology		Lecture, systematized presentation, interactive, case studies
2. Pathology of the mammary gland		Oral presentations doubled by powerpoint presentations
3. Pathology of the small intestine and the cecal appendix		Oral presentations doubled by powerpoint presentations
4. Pathology of the colon, rectum and anus		Oral presentations doubled by powerpoint presentations
5. Acute non-traumatic surgical abdomen		Oral presentations doubled by powerpoint presentations
6. Pathology of the liver, bile ducts, and pancreas		Oral presentations doubled by powerpoint presentations
7. Pathology of the thorax, pathology of the esophagus		Oral presentations doubled by powerpoint presentations
8. Pathology of the abdominal wall		Oral presentations doubled by powerpoint presentations
9. Pathology of the stomach and duodenum		Oral presentations doubled by powerpoint presentations
10. Pathology of the male urinary and genital tract		Oral presentations doubled by powerpoint presentations
11. Pathology of the peripheral venous system		Oral presentations doubled by powerpoint presentations
12. Pathology of the peripheral arterial system		Oral presentations doubled by powerpoint presentations
13. Surgical endocrinopathies		Oral presentations doubled by powerpoint presentations
14. Principles of general oncology		Oral presentations doubled by powerpoint presentations

<b>Recent bibliography:</b> Schwartz – Principles of Surgery – Tenth Edition – F.Charles Brunicardi		
<b>8.2. Practical classes/ seminar</b>	<b>Teaching methods</b>	<b>Observations</b>
1. Practical elements and principles of diagnosis and treatment in surgical pathology of the breast	Systematic, interactive presentation, demonstrations, Case presentations	Oral presentations <b>4 hours</b>
2. Practical elements and principles of diagnosis and treatment in surgical pathology of the stomach and duodenum		Oral presentations <b>4 hours</b>
3. Practical elements and principles of diagnosis and treatment in surgical pathology of the liver and bile ducts		Oral presentations <b>4 hours</b>
4. Practical elements and principles of diagnosis and treatment in surgical pathology of the colon, rectum and cecal appendix		Oral presentations <b>4 hours</b>
5. Practical elements and principles of diagnosis and treatment in surgical pathology of the thorax		Oral presentations <b>4 hours</b>
6. Practical elements and principles of diagnosis and treatment in oncological surgical pathology		Oral presentations <b>4 hours</b>
7. AIT – practical aspects in general medicine		Oral presentations <b>2 hours</b>
8. Case reports + Control test - grid written exam - 24 questions with simple complement		Presentations + test results <b>2 hours</b>
1. Clinical / paraclinical examination in surgical pathology of the breast		Oral presentations <b>2 hours</b>
2. Clinical / paraclinical examination in surgical pathology of the stomach and duodenum		Oral presentations <b>2 hours</b>
3. Clinical / paraclinical examination in surgical pathology of the liver and bile ducts		Oral presentations <b>2 hours</b>
4. Clinical / paraclinical examination in surgical		Oral presentations <b>2 hours</b>

pathology of the colon and rectum and cecal appendix		
5. Clinical / paraclinical examination in surgical pathology of the thorax		Oral presentations <b>2 hours</b>
6. Clinical / paraclinical examination in surgical pathology of the oncological patient		Oral presentations <b>2 hours</b>
7. Case reports + Control test - grid written exam - 24 questions with simple complement		Oral presentations <b>2 hours</b>

**Recent bibliography:**

Schwartz – Principles of Surgery – Tenth Edition – F.Charles Brunnicardi

**9. Assessment**

Activity type	9.1. Evaluation criteria	9.2. Evaluation methods	9.3. Percentage of final grade
<b>9.4. Lecture</b>	<p><b>Knowledge for 5 grade:</b></p> <ul style="list-style-type: none"> <li>- to know the definitions of the studied diseases, to know the main signs of surgical emergencies</li> <li>- to know what he is not allowed to do as first aid and what are the first aid manoeuvres in acute surgical diseases</li> <li>- to know the alarm signs of diseases neoplastic, knowledge of the basic notions of semiology and surgical pathology</li> <li>- answers should not contain serious errors.</li> </ul> <p><b>Knowledge for 10 grade:</b></p> <ul style="list-style-type: none"> <li>- in-depth knowledge of the notions of semiology and surgical pathology of the entire recommended bibliography</li> <li>- correct answers to all questions.</li> </ul>	<p><b>Theoretical exam -</b> grid written exam - 50 questions with simple complement from all chapters of the analytical program</p>	<b>60%</b>
		<p><b>Periodic check</b> Control test I - grid written exam - 24 questions with simple complement of 3 topics from the first half of the subject</p>	<b>20%</b>

<b>9.5. Practical classes/ seminar</b>	<p>In accordance with the educational objectives of the course.</p> <p>We evaluate the coverage area and the correctness of the accumulated knowledge, the logical coherence, the fluency in expression, the capacity to understand the problems.</p> <p>Presenting and performing a small surgical procedure.</p> <p>Examination of a surgical patient.</p> <p>Wording of a clinical diagnosis.</p> <p>Request of appropriate explorations and tests.</p> <p>Wording of a final diagnosis and an operative indication.</p>	<b>Periodic check Practical exam</b>	<b>20%</b>
<b>9.5.1. Individual project (if any)</b>	-	-	-
<b>Minimum performance standard</b>			
<p>Knowledge of the fundamental notions of semiology and surgical pathology.</p> <p>Knowledge of the maneuvers demonstrated and performed during the training and of the examination of the surgical patient with the wording of a diagnosis and an operative indication.</p> <p>The practical exam is eliminatory; not obtaining a 5 grade for the practical exam leads to the loss of the exam.</p>			
<p><b>Date: 23.09.2025</b></p> <p><b>Discipline Chair,</b>  <i>Professor Dr. Niculae Iordache</i>  <i>Professor Dr. Octav Ginghină</i></p> <p><b>Date of the approval in the Department Board:</b></p> <p><b>Department Director,</b>  <i>Professor Emeritus Dr. Alexandru Bucur</i></p>			

\* In the case of bachelor's programs, the learning outcomes will be completed in accordance with Annex 2 of the Specific Quality Standards regarding the manner of carrying out activities related to university study programs in the form of organization with attendance, from the first cycle of studies, differentiated in relation to the fields of university studies, approved by ARACIS Council Decision no. 62/H/06.03.2025 and amended by ARACIS Council Decision no. 87/H/03.04.2025

\* In the case of master's degree programs, learning outcomes related to level 7 of the CNC will be targeted, as follows:

*Knowledge:*

Highly specialized knowledge, some of which is at the forefront of the level of knowledge in a field of work or study, as a basis for original thinking and/or research

Critical awareness of knowledge in a field and knowledge at the border between different fields

*Skills:*

Specialized skills for solving research and/or innovation problems, for developing new knowledge and procedures and for integrating knowledge from different fields

*Responsibility and autonomy:*

Managing and transforming work or study situations that are complex, unpredictable and require new strategic approaches Taking responsibility for contributing to professional knowledge and practices and/or for reviewing the strategic performance of teams