

**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	<b>MEDICINE</b>
1.3 Department	7
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	<b>SURGICAL SEMIOLOGY</b>		
2.2. Discipline code	<b>MED31202</b>		
2.3 The holder of course activities	Professor. Dr. Vilcea Ionică Daniel, Associated professor Dr. Mesină Cristian; Professor. Dr. Mirea Cecil		
2.4 The holder of seminar activities	Lecturer Dr. Anca Ruxanda, Lecturer Dr. Vasile Liviu, Lecturer Dr. Pircoveanu Mircea, Lecturer Dr. Dumitrescu Theodor, Lecturer Dr. Moraru Emil, Assistant Profesor Dr. Ciorbagiu Mihai-Călin, Assistant Profesor Dr. Munteanu Alexandru, Assistant Profesor Dr. Obleagă Cosmin Vasile		
2.5. Academic degree	Professor, Associate Professor, Lecturer, Assistant Profesor		
2.6. Employment (base norm/associate)	Base norm		
2.7. Year of study	<b>III</b>	2.8. Semester	<b>I+II</b>
		2.9. Course type (content)	
		2.10. Regime of discipline (compulsoriness)	<b>CDD</b>

**3. THE ESTIMATED TOTAL TIME (teaching hours per semester) 1<sup>st</sup> Semester**

3.1 Number of hours per week	<b>6</b>	3.2 From which course	<b>2</b>	3.3 seminary/laboratory	<b>4</b>
3.4 Total hours in curriculum	<b>84</b>	3.5 From which course	<b>28</b>	3.6 seminary/laboratory	<b>56</b>
Time found distribution (hours)					
Study from manual, course support, bibliography, and notes					<b>11</b>
Additional documentation in the library, specialized electronic platforms and, on the field					<b>8</b>
Training seminars / labs, homework, reports, portfolios, and essays					<b>10</b>
Tutoring					<b>3</b>
Examinations					<b>4</b>
Other activities, counselling, student scientific programs					<b>5</b>
3.7 Total hours of individual study	<b>41</b>				
3.9 Total hours per semester	<b>125</b>				
3.10 Number of credits	<b>5</b>				

**3. THE ESTIMATED TOTAL TIME (teaching hours per semester) 2<sup>nd</sup> Semester**

3.1 Number of hours per week	<b>6</b>	3.2 From which course	<b>2</b>	3.3 seminary/laboratory	<b>4</b>
3.4 Total hours in curriculum	<b>84</b>	3.5 From which course	<b>28</b>	3.6 seminary/laboratory	<b>56</b>
Time found distribution (hours)					
Study from manual, course support, bibliography, and notes					<b>16</b>
Additional documentation in the library, specialized electronic platforms and, on the field					<b>12</b>
Training seminars / labs, homework, reports, portfolios, and essays					<b>20</b>
Tutoring					<b>3</b>
Examinations					<b>4</b>
Other activities, counselling, student scientific programs					<b>11</b>
3.7 Total hours of individual study	<b>66</b>				
3.9 Total hours per semester	<b>150</b>				
3.10 Number of credits	<b>6</b>				

**4. PREREQUISITES (where appropriate)**

4.1 curriculum	Students must have solid knowledge about anatomy and physiology
4.2 competency	-

**5. CONDITIONS (where appropriate)**

5.1. of course deployment	-
5.2. of seminary/ lab deployment	Students must read at home, before teaching, the lab subject

**6. SPECIFIC COMPETENCES ACCRUED**

<b>PROFESSIONAL COMPETENCES</b>	<p><b>C1</b> – To identify the disease and to establish the right diagnosis.</p> <p><b>C4</b> – To analyze wellness/illness problems according to social, economical and cultural conditions of that collectivity.</p> <p><b>C5</b> – To initiate and to continue a scientific research activity.</p>
<b>TRANSVERSAL COMPETENCES</b>	<p><b>CT1.</b> Autonomy and responsibility</p> <ul style="list-style-type: none"> <li>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, nonconflictual, to cooperate and to be comprehensive in the face of suffering, to be available to help people, and to be interested in community development;</li> <li>to know, to respect and to contribute to the development of moral values and professional ethics;</li> <li>to learn how to recognize the problems when they arise, and provide solutions for solving them.</li> </ul> <p><b>CT2.</b> Social interaction</p> <ul style="list-style-type: none"> <li>to recognize and to have respect for diversity and multiculturalism;</li> <li>to have or to learn how to develop teamwork skills;</li> <li>to communicate orally and in writing the manner of work requirements, the obtained results, to consult with the team;</li> <li>to engage themselves in voluntary activities, to know the essential problems of the community.</li> </ul> <p><b>CT3.</b> Personal and professional development</p> <ul style="list-style-type: none"> <li>to have opening to lifelong learning,</li> <li>to be aware for self-study as a basis of personal autonomy and professional development;</li> <li>to derive the optimum and creative potential in their own collective activities;</li> <li>to know how to use information and communication technologies.</li> </ul>

**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"> <li>The main objective of the Surgical Semiology Department is to offer IIIrd year students the logistic and informational support needed for understanding the surgical pathology. We have the following objectives:</li> <li>Learning the basic elements about the clinical diagnosis in the surgical diseases (anamnesis, inspection, palpation, paraclinic investigations)</li> <li>Handling the surgical, instruments.</li> <li>Learning the theories implied in the surgical pathology of the abdominal organs.</li> <li>Establishing a correct therapeutic conduct (postoperative care of the surgical patient) for surgical diseases</li> </ul>
7.2 The specific objectives of the discipline	<p>Throughout the updated curricula (European standards), the teaching and evaluation methods, the implication of students in research and patients evaluation activities, the Surgical Semiology Discipline tries to form cognitive aptitudes, skills and attitude that will form the basis of any medical preventing, diagnostic, curative and recovery action. <b>At the end of it's journey through Surgical semiology, any student will be capable of assimilating <i>COGNITIVE ABILITIES AND PRACTICAL SKILLS</i></b> which will allow the student to:</p> <ul style="list-style-type: none"> <li>Realising a correct and complete anamnesis</li> <li>Identifying the benign and malignant character of the tumors</li> <li>Distinguishing the pathologic modifications at neck, abdomen, mammary gland and superior and inferior limbs level</li> <li>Proposal of paraclinic investigations obtaining the correct diagnosis</li> <li>Establishing the therapeutic protocol to follow</li> <li>Rating the diagnosis and treatment</li> <li>Identify the surgical diseases</li> <li>To perform an correct and complete clinical examination of the surgical patient</li> <li>To perform therapeutic maneuvers such as wound suture, wrappings, wound dressing, injections, IV treatment, enema</li> <li>To rate the paraclinic examinations in surgical patients,</li> <li>To perform differential diagnosis for the intra abdominal organs pathology</li> <li>To obtain surgical skills in emergency situations</li> <li>To have the necessary knowledge about the organization and functioning of a surgical department.</li> </ul> <p><b>SKILLS</b></p> <ul style="list-style-type: none"> <li>To be open for learning moral issues, forming civic and professional abilities,</li> </ul>

	<p>that will permit the students to be honest, nonconflictual, cooperative, empathic, willing to help other humans in need, interested in the well development of the community.</p> <ul style="list-style-type: none"> <li>• To be aware and to respect, contributing this way to the development of moral values and medical ethics.</li> <li>• To learn to recognize a problem when it appears and to develop responsible solutions for it.</li> <li>• To develop the abilities for team work</li> <li>• To communicate orally and written their requirements, working modality, results obtained, consult with the other team members</li> <li>• To involve in voluntary activities and to be aware of the community problems.</li> <li>• To be conscious for learning their whole life from now on</li> <li>• To be conscious about the importance of self teaching for their own development</li> <li>• To have the aptitude for using technology in the learning process</li> <li>• To have initiative and to be implied in the teaching and scientific activities of the discipline.</li> </ul>
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## 8. CONTENTS

8.1 Course (content units)	Hours
1. Asepsis and antiseptics	2
2. Surgical infections: etiology, diagnosis, classifications	2
3. Surgical infections: anatomic-clinical forms: pyodermitis; cellulites; infections with anaerobic germs	2
4. Antibiotics in surgery: antibiogram, curative antibiotherapy	2
5. Soft tissue injuries: general considerations, closed trauma (contusion), open trauma (wound)	2
6. Bleeding and haemostasis	2
7. Early diagnosis of the cancer: characters of benign tumors, characters of malignant tumors	2
8. Clinical assessment for the neck disease: general considerations, cervical abscesses, tumors of cervical region, cervical adenopathy, pharyngoesophageal Zenker's diverticulum, achalasia of the esophagus	2
9. Clinical assessment for the neck disease: clinical signs of affections of the thyroid gland. Inflammatory affections of the thyroid gland, goiters, thyroid cancer	2
10. Clinical assessment for the breast diseases: general considerations, inflammatory affections of the breast, traumatic affections	2
11. Clinical assessment for the breast diseases: dystrophic affections of the breast, benign affections of the breast, cancer of the breast	2
12. Abdomen: general considerations, clinical examinations of the abdomen, paraclinical investigations	2
13. Clinical assessment for the abdominal wall: ventral herniation in the adult, symptoms and diagnosis, incisional hernia	2
14. Clinical assessment for the esophageal disease: general considerations, Mallory-Weiss syndrome, caustic injury of the esophagus, esophageal diverticulum, gastro esophageal reflux, esophageal ulcer, benign tumors of the esophagus, carcinoma of the esophagus	2
15. Clinical assessment for the diaphragm	2
16. Clinical assessment for the stomach and duodenum: general considerations, gastric ulcer, duodenal ulcer	2
17. Clinical assessment for the stomach and duodenum: complications of the gastric and duodenal ulcer, tumors of the stomach	2
18. Clinical assessment for small and large intestine and for the appendix	2
19. Clinical assessment for the rectum and anal canal	2
20. Clinical assessment for the liver and the biliary tree	2
21. Clinical assessment for the pancreas	2
22. Clinical assessment for the spleen	2
23. Clinical assessment for acute peritonitis	2
24. Clinical assessment for intestinal obstruction	2
25. Traumatic injuries of the abdomen	2
26. Acute mesenteric ischemia, internal hemorrhage, organ torsion	2
27. Clinical assessment for the venous diseases of the lower limb	2
28. Clinical assessment for arterial diseases	2

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3. I. Vasile, M. Munteanu, M. Pașalega ( <i>sub red.</i> ). SEMIOLOGIE CHIRURGICALĂ - CAIET DE LUCRĂRI PRACTICE. Editura Medicală Universitară Craiova, 2015.	
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7. E. Proca ( <i>sub red.</i> ). TRATAT DE PATOLOGIE CHIRURGICALĂ, vol. I (Semiologie și propedeutică chirurgicală). Editura Medicală, București, 1989.	
8. E. Proca ( <i>sub red.</i> ). TRATAT DE PATOLOGIE CHIRURGICALĂ, vol. VI (Patologie chirurgicală). Editura Medicală, București, 1986.	
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11. FC Brunicardi. SCHWARTZ PRINCIPIILE CHIRURGIEI, ediția a X-a. Editura ALL, București, 2019.	
12. LS Bickley. BATES' GUIDE TO PHYSICAL EXAMINATION AND HISTORY TAKING, 11 <sup>th</sup> edition. Lippincott Williams & Wilkins, 2013.	
<b>8.2 Practical work (topics / themes)</b>	
1. Organization and function of surgical clinic, Operating room, Functiona circuits, Asepsis and antisepsis, The posture in the surgical department and operating room	4
2. Notions of medical ethics, Informed consent of the patient Judicial responsibilities of the surgeon, Medical Instruments	4
3. Patient's Chart, Anamnesis, General clinical Examination and Paraclinic examination in Surgery	4
4. Preoperative care, Injections (intradermic, subcutaneous, intramuscular, venous puncture, endo venous perfuzion	4
5. General characters of tumors. Soft tissue tumors clinical and imaging aspects. Fine Needle Aspiration, Biopsy-Puncture of soft tissue tumours	4
6. Local clinical examination of the Neck. Incisions – general principles. Incision of an abscess or phlegmon, Venous denudation	4
7. Local clinical examination of the Mammary gland. Surgical sutures, general aspects, skin, aponevrosis, muscle sutures	4
8. Local clinical examination of the Abdomen: topography, viscera projections. Wound treatment and hemostasis. Techniques for wound dressing and wrappings.	4
9. Local clinical examination of a surgical acute abdomen: general aspects, Paraclinic investigations in emergency abdominal surgery, Abdominal compartment syndrome, Surgical Drainage	4
10. The peritonitic and obstructive syndrome: signs and symptoms, objective local signs and symptoms, imaging tests. Acute pancreatitis: symptoms and clinical signs, paraclinic investigations. Intestinal infarction and organ torsion: symptoms and clinical signs, paraclinic investigations. Gastric aspiration, Gastric Lavage	4
11. Traumatic Abdomen: general aspects. Hemoperitoneum, Abdominal Puncture, Peritoneal lavage for diagnosis, Paracentesis	4
12. Clinical examination of the abdomen for chronic pathologies, Digital Rectal Examination, Digital Vaginal Examination, Enema	4
13. Local clinical examination of abdominal parietal defects. Modalities of fixation for synthetic parietal meshes. Clinical case presentation	4
14. Disfagia and Pyrosis: clinical and paraclinical examination protocol. Pleural drainage. Clinical case presentation	4
15. Chronic pain and epigastric tumors: diagnosis algorithm, Digestive tube sutures. Clinical case presentations	4
16. Chronic pain and right hypocondrium tumors: diagnosis algorithm, Hepatic sutures, Clinical case presentations	4
17. Obstructive Jaundice: diagnosis algorithm, Clinical case presentations	4
18. Chronic pain and left hypocondrium tumors: diagnosis algorithm, Suture and hemostasis methods for the Spleen, Clinical case presentations	4
19. Chronic pain and tumors of the middle abdomen: diagnosis algorithm, Clinical case presentation	4
20. Pain and tumor in the right and left iliac fossa: diagnosis algorithm. Clinical case presentations	4
21. Chronic pain and Hypogastrium tumors: diagnosis algorithm, Urinary bladder cateterization, Clinical case presentations	4

22. Clinical examination in the surgical suffering of the perineal region. Clinical case presentation	4
23. Clinical and Paraclinical examinations of the peripheral arterial system. Arterial sutures. Clinical case presentation	4
24. Clinical and Paraclinical examinations of the peripheral venous and lymphatic system. Venous sutures. Clinical case presentation	4
25. Patient surveillance and postoperative care. Clinical case presentation	4
26. The nutrition of the surgical patient. Clinical case presentations	4
27. Postoperative complications. Clinical case presentations	4
28. Surgical care associated infections. Clinical case presentation	4
<b>BIBLIOGRAPHY</b>	
<ol style="list-style-type: none"> <li>1. Ionică Daniel Vilcea, Cecil Sorin Mirea, Ion Vasile. Surgical Semiology. Editura Sitech. Craiova, 2016, ISBN 978-606-11-5577-4</li> <li>2. I. Vasile, M. Pașalega, M. Munteanu (<i>sub red.</i>). SEMIOLOGIE CHIRURGICALĂ, MANUAL PENTRU STUDENȚI. Editura Medicală Universitară, Craiova, 2014.</li> <li>3. I. Vasile, M. Munteanu, M. Pașalega (<i>sub red.</i>). SEMIOLOGIE CHIRURGICALĂ - CAIET DE LUCRĂRI PRACTICE. Editura Medicală Universitară Craiova, 2015.</li> <li>4. I. Vasile, M. Munteanu, M. Pașalega, I. Gugilă (<i>sub red.</i>). SEMIOLOGIE CHIRURGICALĂ - ELEMENTE DE CURS, ediția a II-a revizuită. Editura SITECH, Craiova, 2006.</li> <li>5. I. Popescu, C. Ciuce (<i>sub red.</i>). TRATAT DE CHIRURGIE, ediția a II-a, vol. VII. Editura Academiei Române, București, 2015.</li> <li>6. I. Popescu, C. Ciuce (<i>sub red.</i>). TRATAT DE CHIRURGIE, ediția a II-a, vol. VIII. Editura Academiei Române, București, 2015.</li> <li>7. E. Proca (<i>sub red.</i>). TRATAT DE PATOLOGIE CHIRURGICALĂ, vol. I (Semiologie și propedeutică chirurgicală). Editura Medicală, București, 1989.</li> <li>8. E. Proca (<i>sub red.</i>). TRATAT DE PATOLOGIE CHIRURGICALĂ, vol. VI (Patologie chirurgicală). Editura Medicală, București, 1986.</li> <li>9. N. Angelescu. PROPEDEUTICĂ MEDICO-CHIRURGICALĂ. Editura Medicală, București, 1993.</li> <li>10. I. Bușu (<i>sub red.</i>). LUCRĂRI PRACTICE DE CHIRURGIE. Reprografia Universității din Craiova, 1981.</li> <li>11. FC Brunicardi. SCHWARTZ PRINCIPIILE CHIRURGIEI, ediția a X-a. Editura ALL, București, 2019.</li> <li>12. LS Bickley. BATES' GUIDE TO PHYSICAL EXAMINATION AND HISTORY TAKING, 11<sup>th</sup> edition. Lippincott Williams &amp; Wilkins, 2013.</li> </ol>	

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

<ul style="list-style-type: none"> <li>▪ Surgical Semiology Discipline is a fundamental discipline for medical training of students, in order for them to become full doctors.</li> <li>▪ The theoretical knowledge, practical skills achieved here offer the basis of study for pathological processes that other disciplines will approach in detail and realize the fundament for understanding and learning every medical act preventive, for reaching a diagnosis, curative or for recovery.</li> </ul>
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### 10. METHODOLOGICAL LANDMARKS

Types of activity	Teaching Techniques / learning materials and resources:
Course	Lecture course, heuristic conversation, debate, problem
Practical work	Practical practical applications, demonstration, problem, heuristic conversation, exercise method, case study
Individual study	Before every course and practical work

### 11. RECOVERY PROGRAM

	No. absences that can recover	Location of deployment	Period	In charge	Scheduling of topics
Absences recoveries	3	Second Surgical Clinic Emergency Hospital Of Craiova	- In the same week with another group at the same university framework -Last 2 weeks of the semester for absences motivated	Group coordinator	In order, 2 themes/day
Schedule consultations / Students'	2 hour/week/ university	Second Surgical Clinic Emergency Hospital Of Craiova	weekly	Every university coordinator	The theme from the week in course

Scientific Program	coordinator				
Program for students poorly trained	2 hours/week	Second Surgical Clinic Emergency Hospital Of Craiova	weekly	Every university coordinator	The theme from the week in course
<b>12. ASSESMENT</b>					
<b>Activity</b>	<b>Types of assesment</b>		<b>Methodos of evaluation</b>		<b>Percentage from final grade</b>
<b>Lecture</b>	Formative assesment through essays, projects and surveys during the semester Summative assesment during the exam		Multiple Choice Questions Answering System (MCQ)/MCQ with the help of the IT platform in the online version.		60%
<b>Practical work</b>	Formative assesment through Multiple Choice Questions Answering System (MCQ) or/and descriptive, projects, survey during the semester. Periodic assesment during the semester Summative assesment during the exam		Multiple Choice Questions Answering System (MCQ) simultaneously with the one from the course / with the help of the video platform in the online version.		20%
<b>Periodic assesment</b>					10%
<b>Assement of individual activities</b>					10%
<b>Minimum performance standard</b>					At least 50% for each component of the evaluation
<b>13. GUIDANCE AND COUNSELLING PROGRAMS</b>					
<b>Professional guidance and counselling programs (2 hours/monthly)</b>					
<b>Scheduling the hours</b>			<b>Location</b>		<b>In charge</b>
First Tuesday of every month, hours 18-20			Second Surgical Clinic Emergency Hospital Of Craiova/ Online		Prof. univ Dr. Vîlcea Ionica Daniel

Endorsement date in the department: 30.09.2022

Department Director,  
Prof. Luminița CHIUȚU

Coordinator of study program,  
Prof. Marius Eugen CIUREA

Discipline holder,  
Prof. Ionica Daniel VÎLCEA