



DISCIPLINE SHEET

1. Data about the programme

1.1.	"CAROL DAVILA" UNIVERSITY OF MEDICINE AND PHARMACY
1.2.	FACULTY OF MEDICINE
1.3.	DEPARTMENT 10
1.4.	DISCIPLINE: SURGERY
1.5.	DOMAIN OF STUDY: HEALTH – Sectorally regulated within the European Union
1.6.	STUDY CYCLE: LICENCE
1.7.	STUDY PROGRAME: MEDICINE – ENGLISH MODULE

2. Data about discipline

2.1.	Name of the discipline in the educational plan: General Surgery				
2.2.	Discipline code: DS (SD) V 4M				
2.3.	Discipline type (FD/SD/CD): SD				
2.4.	Discipline regimen (MD/OPD/): MD				
2.5.	The holders of the course activities:				
2.6.	The holders of the seminar activities:				
2.7. Year of study	V	2.8. Semester	I II	2.9. Type of evaluation (E/C)	E (Written and practical exam)

3. Total estimated time (hours/semester of didactic activity an self preparation/study) – modular education

I. Academic training (teaching, practical application, assessment)						
3.1. Nr hours/week	25	From which:	3.2. lecture	10 hours	3.3. seminary/ laboratory	15 hours
3.4. Total hours of educational plan	140	From which:	3.5. lecture	56 hours	3.6. seminary/ laboratory	84 hours

Evaluation (nr. of hours): 2 days (10 hours)	
II. Self preparation/study	
Time allocation	hours
Study of course materials, textbooks, books, study of the recommended minimal bibliography	
Additional research in the library, research through the internet	
Performing specific activities for preparing projects, laboratories, elaborating reviews or other tasks	
Specific preparation activities for projects, laboratory work, assignments, and reports	
Tutoring	
Other activities	
3.7. Total individual study hours	100
3.9. Total hours per semester (3.4.+ 3.7.)	240
3.10. Number of credits	7

4. Preconditions (where applicable)

4.1. of curriculum	Fundamental knowledge of surgical anatomy, physiology and pathophysiology of the viscera (thoraco-abdominal)
4.2. of competences	General clinical examination of the patient, general surgical techniques and maneuvers

5. Conditions (where applicable)

5.1. to conduct the lecture	Laptop, multimedia projector, negative projector
5.2. to conduct the seminar / laboratory	Surgery Department 1 – Bucharest Oncology Institute

6. Learning outcomes

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

7. Course objectives (aligned with the learning outcomes)

7.1. General objective	At the end of the internship, the student must: - identify the state of illness, the degree of medical emergency - establish the correct diagnosis of various surgical conditions - know the principles of treatment - apply the principles of medical ethics
7.2. Specific objective	At the end of the internship, the student must be able to: - examine patients with conditions specific to general surgery - interpret clinical and imaging examinations - design and apply a therapeutic plan appropriate to the identified surgical condition - establish an effective communication relationship with the patient with surgical pathology - perform common surgical maneuvers: wound care, wound suturing, suture removal, urinary and nasogastric catheter placement, rectal and vaginal examination, etc.

8. Contents

8.1. Lecture	Teaching methods	Observations (hours)
Year V		
1. Surgical pathology of the liver: - liver trauma, hydatid cyst.	INTERACTIVE COURSE + PRESENTATION OF CLINICAL CASES AND RELEVANT IMAGES	2 hours
2. Benign tumors: - hepatocellular cancer.		2 hours
3. Cholangiocarcinoma - liver metastases.	STUDENTS ARE ENCOURAGED TO DOCUMENT THEMSELVES ON THE PROBLEM ADDRESSED BEFORE THE COURSE, IN ORDER TO CLARIFY AND DEPEND ON THE DIFFERENT ASPECTS THROUGH DIALOGUE WITH THE TEACHING STAFF	2 hours
4. Portal hypertension - liver abscesses.		2 hours
5. Surgical pathology of the biliary tract: - cholecystitis, cholecystic lithiasis.		2 hours
6. Common bile duct lithiasis; cholangitis.		2 hours
7. Bile duct tumors.		2 hours
8. Acute pancreatitis.		2 hours
9. Chronic pancreatitis. Trauma to the pancreas.		2 hours
10. Pancreatic tumors.		2 hours
11. Surgical pathology of the colon: - Megadolic colon, colonic diverticulosis, ulcerative colitis.		2 hours
12. Colon tumors.		2 hours
13. Rectal trauma. Benign rectal tumors.		2 hours
14. Rectal cancer.		2 hours
15. Inflammatory pathology of the perianal region: - abscesses, phlegmons, fistulas, fissure. - pilonidal disease.		2 hours
16. Hemorrhoidal disease. Anal prolapse.		2 hours
17. Tumors of the perianal region.		2 hours
18. Intestinal occlusion (part 1).		2 hours
19. Intestinal occlusion (part 2).		2 hours
20. Peritonitis (part 1).		2 hours
21. Peritonitis (part 2).		2 hours
22. Abdominal trauma.		2 hours
23. Upper digestive bleeding.		2 hours
24. Lower digestive bleeding.		2 hours
25. Spleen trauma.		2 hours
26. Non-traumatic pathology of the		2 hours

spleen.		
27. Surgical pathology of the cecal appendix.		2 hours
28. Basics of minimally invasive surgery.		2 hours
8.2. Laboratory/ practical lesson	Teaching methods	Observations (hours)
Year V		
SC 1. Surgical semiology of the liver.	Prevention of contamination and work accidents. Teaching methods aim to familiarize with the surgical patient and his family, in order to establish the best possible communication relationship based on ethical principles. Knowledge of specific diagnostic and treatment methods, connection with the medical analysis laboratory, with other surgical laboratories/departments and with the medical imaging department. Presentations of daily clinical cases, with different degrees of diagnostic difficulty and degrees of urgency, all being correlated with the study program. Interactive discussions related to the logic of diagnosis and about the different diagnostic and treatment protocols in surgery.	3 hours
SC 2. Surgical semiology of the gallbladder and biliary tract.		3 hours
SC 3. Surgical semiology of the pancreas.		3 hours
SC 4. Surgical semiology of the colon.		3 hours
SC 5. Surgical semiology of the rectum and anoperianal region.		3 hours
SC 6. Surgical semiology of the cecal appendix.		3 hours
SC 7. Surgical semiology of the spleen.		3 hours
SC 8. Postoperative febrile syndrome.		3 hours
SC 9. Vaginal examination. Vulvovaginal toilet.		3 hours
SC 10. Enemas. Colostomy care.		3 hours
SC 11. Rectal examination. Anoscopy.		3 hours
SC 12. Upper digestive endoscopy in general surgery.		3 hours
SC 13. Lower digestive endoscopy in general surgery.		3 hours
SC 14. Diagnostic and treatment possibilities through laparoscopy and telesurgery.		3 hours
SC 15. Basic notions of robotic surgery.		3 hours
SC 16. Anesthesia.		3 hours
SC 17. Monitoring of the surgical patient.		3 hours
SC 18. Basic rules in water, metabolic and caloric rebalancing.		3 hours
SC 19. Blood groups.		3 hours
SC 20. Perfusion. Transfusion.		3 hours
SC 21. Cardiorespiratory arrest and cardiopulmonary resuscitation.		3 hours
SC 22. Tracheotomy. Tracheostomy.		3 hours
SC 23. Acute respiratory failure. Oxygen therapy.		3 hours
SC 24. First aid in accidents.		3 hours
SC 25. Principles of oncological surgery.		3 hours
SC 26. Systemic treatment in cancer.		3 hours
SC 27. Radiotherapy in general surgery.		3 hours
SC 28. Organ and tissue transplantation.		3 hours

Recent Bibliography (Course and clinical internship bibliography):

1. 1. Course of Surgery for the 4th and 5th year students Vol. II – Coordinator: Mircea Beuran, MD, PhD, FACS, Professor of Surgery, "Carol Davila" University Press, Bucharest, 2016 – ISBN 978-973- 708-884-0.
2. 2. Essentials of General Surgery and Surgical Specialties, Peter F M.D. Lawrence, Matthew R M.D. Smeds, Jessica B M.D. O'Connell, Seventh Edition, 2025, LWW, ISBN: 9781975236540.
3. 3. Schwartz's Principles of Surgery, 11e, F. Charles Brunickardi, Dana K. Andersen, Timothy R. Billiar, David L. Dunn, Lillian S. Kao, John G. Hunter, Jeffrey B. Matthews, Raphael E. Pollock, McGraw-Hill Education; 2019, Set ISBN 978-1-259-83535-3; MHID 1-259-83535-9.
4. 4. Courses of the discipline.

9. Evaluation

Activity type	9.1. Evaluation criteria	9.2. Evaluation methods	9.3. Percentage in the final grade
9.4. Lecture	Knowledge of the theoretical concepts of the subjects taught.	Grid-type exam (60 simple complement questions + 40 multiple complement questions).	90 %
	Attendance at the internship, attendance at the course, involvement in daily activity at the patient's bedside, case presentations and medical issues, partial evaluations.		10%
9.5. Seminary/ practical activity	Performing the main clinical examination maneuvers.	Practical exam in front of the group assistant and the lecturer.	Admitted/Rejected
	Capacity to interpret clinical and imaging examinations.	Practical exam in front of the Professor.	Admitted/Rejected
9.6. Minimum performance standard			
The minimum passing grade is 5.			

Date of completion:

15.09.2025

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**Date of approval by the
Department Council:**

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