DISCIPLINE SHEET

1. Data about the programme

1.1.	**"CAROL DAVILA" UNIVERSITY OF MEDICINE AND PHARMACY**
1.2.	**FACULTY OF MEDICINE/ 10TH CLINICAL**
1.3.	**DEPARTMENT GENERAL SURGERY**
1.4.	**DISCIPLINE GENERAL 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. 2. Data about discipline

2.1.	**Name of the discipline in the educational plan: General Surgery**				
2.2.	**Discipline code: MED4203**				
2.3.	**Discipline type (FD/SD/CD): FD**				
2.4.	**Discipline regimen (MD/OPD/): MD**				
2.5.	**The holder of the course activities**				
2.6.	**The holder of the seminar activities :**				
2.7. Year of study	**IV**	**2.8. Semester**	**VII and VIII**	**2.9. Type of evaluation (E/C)**	**E**

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

I. Academic training (teaching, practical application, assessment)						
3.1. Nr hours/week	**25**	**From which:**	**3.2. lecture**	**10**	**3.3. seminary/ laboratory**	**15**
3.4. Total hours of educational plan	**180**	**From which:**	**3.5. lecture**	**72**	**3.6. seminary/ laboratory**	**108**
Evaluation (nr. of hours) : 7						
II. Self preparation/study						
Time allocation						**hours**
Study of course materials, textbooks, books, study of the recommended minimal bibliography						2
Additional research in the library, research through the internet						6
Performing specific activities for preparing projects, laboratories, elaborating reviews or other tasks						2
Specific preparation activities for projects, laboratory work, assignments, and reports						10
Tutoring						10
Other activities						
3.7. Total individual study hours						34
3.9. Total hours per semester (3.4.+ 3.7.)			214			
3.10. Number of credits			7			

4. Preconditions (where applicable)

4.1. of curriculum	
4.2. of competences	

5. Conditions (where applicable)

5.1. to conduct the lecture	PowerPoint presentations, use of multimedia systems, and projector
5.2. to conduct the seminar / laboratory	Equipped with the necessary apparatus for conducting practical activities

6. Learning outcomes

Knowledge	Skills	Responsibility and autonomy
Students who complete the surgical internship acquire a wide range of theoretical knowledge (surgical anatomy, surgical pathophysiology, hygiene - asepsis, antisepsis, as well as basic knowledge of various surgical techniques) as well as practical and communication skills.	The skills acquired by the student in the general surgery course must be technical and practical (familiarization with surgical techniques, use of basic medical equipment), cognitive (evaluation of intraoperative situations, interpretation of clinical data) as well as communication skills with members of the surgical team and the patient.	Students' responsibilities are to participate in medical visits, to comply with hygiene and safety protocols, and to assist in surgical interventions.
		Students' autonomy is limited, as they cannot perform invasive procedures without supervision. Allowed activities are: taking a medical history and clinical examination under guidance, participating in simple procedures (dressings) - with the doctor's consent, and observing surgical interventions.

7. Course objectives (aligned with the learning outcomes)

7.1. General objective	Development of a broad set of professional skills, including cognitive, technical, communication and critical situation management skills. Theoretical skills Graduates of the general surgery course acquire basic knowledge as well as advanced skills in the following areas: • Surgical anatomy: Detailed understanding of the anatomical structure of organs, tissues and systems addressed in surgical

	interventions, as well as anatomical variants and relationships between structures. • Pathophysiology: Knowledge of the mechanisms of disease production specific to the surgical field, including inflammatory, degenerative, neoplastic and traumatic processes. • Principles of sterilization and asepsis: Understanding and correct application of intra- and post-operative infection prevention protocols. Practical skills: • Participation in surgical interventions: Direct involvement, under the supervision of a teacher or an experienced surgeon, in various surgical procedures, • Preoperative, intraoperative, postoperative patient monitoring, identification of critical patients, knowledge of basic resuscitation maneuvers • Knowledge of basic surgical instruments
7.2. Specific objective	Mastering the fundamental notions of anatomy and physiology: Understanding the structure and functions of the human body is essential for any surgical intervention. • Introductory studies of pathology: Recognizing the main pathological processes that require a surgical approach. • Familiarization with the surgical instruments and environment: Identifying and correctly using basic instruments, respecting the rules of asepsis and antisepsis. • Forming an ethical and responsible attitude: Respecting confidentiality, human dignity and the medical code of ethics. • Developing clinical observation skills: Training the ability to assess the patient, recognize signs and symptoms and formulate preliminary diagnostic hypotheses. •Understanding the principles of effective communication: Learning how to communicate clearly and empathetically with patients, the medical team, and the patient's relatives. • Assimilating the basic notions of medical legislation: Initiation into professional rights and responsibilities, risk management, and incident reporting. • Learning basic first aid and postoperative care techniques: Correct application of emergency measures and monitoring of the patient in the postoperative period. • Stimulating scientific curiosity and the spirit of research: Participation in courses, seminars, and extracurricular activities that promote critical thinking and scientific research. • Effective time management and development of personal discipline: Optimal organization of the study program

8. Contents

8.1. Lecture	**Teaching methods**	**Observations**
AN IV – Foreign Students	The courses are taught in rooms equipped with laptops and overhead	**2h**

	projectors, have electronic support and are updated according to specialized treatises. There is a library at the clinic level for consulting additional materials.	
Surgical history		2 HOURS
Surgical infection		2 HOURS
Localized surgical infection		2 HOURS
Pathology of the abdominal wall – external hernias		2 HOURS
The diabetic foot		2 HOURS
Contusions, eschars. Wound healing		2 HOURS
Surgical semiology of arterial pathology		2 HOURS
Surgical semiology of venous pathology		2 HOURS
Pathology of the abdominal wall – internal hernias		2 HOURS
Pathology of the abdominal wall – incisional hernias		2 HOURS
Pulmonary hydatic cyst		2 HOURS
Chest trauma		2 HOURS
Benign thyroid pathology		2 HOURS
Thromboembolic disease in surgical pathology		2 HOURS
Malignant thyroid pathology		2 HOURS
Legal and deontological aspects of medical practice		2 HOURS
Benign esophageal pathology		2 HOURS
Surgical pathology of the small intestine		2 HOURS
Inflammatory pathology of the small intestine		2 HOURS
Fundamentals of transplant surgery		2 HOURS
Benign breast pathology – trauma and infections		2 HOURS
Malignant breast pathology		2 HOURS
Duodenal ulcer		2 HOURS
Gastric ulcer		2 HOURS
Malignant gastric pathology		2 HOURS
Generalized surgical infection / Septic shock		2 HOURS
Politrauma		2 HOURS
Surgical history		2 HOURS

Surgical infection		2 HOURS
Localized surgical infection		2 HOURS
Pathology of the abdominal wall – external hernias		2 HOURS
The diabetic foot		2 HOURS
Contusions, eschars. Wound healing		2 HOURS
Surgical semiology of arterial pathology		2 HOURS
Surgical semiology of venous pathology		2 HOURS
Pathology of the abdominal wall – internal hernias		2 HOURS
Recent Bibliography : Course of Surgery for the 4th and 5th year students Vol. I – Coordinator: Mircea Beuran, MD, PhD, FACS, Professor of Surgery, ”Carol Davila” University Press, Bucharest, 2016 – ISBN 978-973- 708-884-0		
8.2. Laboratory/ practical lesson	**Teaching methods**	**Observations**
Aseptic measures		3 HOURS
Preoperative preparation of the patient		3 HOURS
Surgical instruments		3 HOURS
Types of incisions / surgical debridement		3 HOURS
Venous and arterial catheterization		3 HOURS
Intradermic / subcutaneous / intramuscular injections / endovenous line placement		3 HOURS
Blood transfusion		3 HOURS
Wound care		3 HOURS
Fine needle biopsy		3 HOURS
Thoracocentesis / Paracentesis		3 HOURS
Hemostasis		3 HOURS
Wound suturing		3 HOURS
Nazogastric tube		3 HOURS
Urinary catheterisation		3 HOURS
Chest tube placement		3 HOURS
Cardiac arrest		3 HOURS
CPR procedure		3 HOURS
Postoperative follow up		3 HOURS
Peripheral pulse palpation		3 HOURS
Clinical examination of the venous system		3 HOURS
Clinical examination of the lymphatic system		3 HOURS
Clinical examination of the inghino-femoral region		3 HOURS

Clinical examination of incisional hernias		3 HOURS
Clinical examination of the breast		3 HOURS
Clinical examination of the thyroid gland		3 HOURS
Clinical examination of the thorax		3 HOURS
Clinical examination of the stomach		3 HOURS
Clinical examination of the small intestine		3 HOURS
Laparoscopic surgical instruments		3 HOURS
Recent bibligraphy : Course of Surgery for the 4th and 5th year students Vol. I – Coordinator: Mircea Beuran, MD, PhD, FACS, Professor of Surgery, ”Carol Davila” University Press, Bucharest, 2016 – ISBN 978-973- 708-884-0		

9. Evaluation

Activity type	**9.1. Evaluation criteria**	**9.2. Evaluation methods**	**9.3. Percentage in the final grade**
9.4. Lecture	Knowledge of fundamental theoretical notions of the lectures Daily routine during the clinical rotations / activity / clinical case presentations /	100 questions with single/multiple choice answers	90% 10%
9.5. Seminary/ practical activity	performing the main clinical examination maneuvers of the patient - interpreting laboratory tests, establishing a diagnosis and therapeutic conduit	practical exam with the group assistant and the project supervisors - Practical exam with the teacher	Pass/Fail Pass/Fail
9.5.1. Individual project (if applicable	-	-	-
9.6. Minimum performance standard 5 (FIVE)			

Date of completion : 29.09.2025 **Signature of the course holder** **Signature of the laboratory holder**

Signature of the Department Director

Date of approval by the Department Council: