

COURSE DETAILS

"GENERAL SURGERY"

SSD MED/18

DEGREE PROGRAMME: **MEDICINE AND SURGERY**

ACADEMIC YEAR **2025-26**

COORDINATOR: **Prof. ROBERTO TROISI**

GENERAL INFORMATION – TEACHER REFERENCES

Faculty	Position	Scientific Fields	Phone	Reception	E-mail
Troisi Roberto (coordinator)	Full Professor	General Surgery (MED/18)	6276	send an email in order to schedule a meeting	Roberto.troisi@unina.it
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Francesco Maione	Assisting Professor	General Surgery (MED/18)		send an email in order to schedule a meeting	Francesco.maione@unina.it
Rompianesi Gianluca	Assisting Professor	General Surgery (MED/18)		send an email in order to schedule a meeting	Gianluca.romppianesi@unina.it
Rocco Nicola	Assisting Professor	General Surgery (MED/18)		send an email in order to schedule a meeting	Nicola.rocco@unina.it

GENERAL INFORMATION ABOUT THE COURSE

INTEGRATED COURSE (IF APPLICABLE):

MODULE (IF APPLICABLE):

SSD OF THE MODULE (IF APPLICABLE):

TEACHING LANGUAGE: **ENGLISH**

CHANNEL (IF APPLICABLE):

YEAR OF THE DEGREE PROGRAMME: **VI**

SEMESTER: **I**

CFU: **8**

REQUIRED PRELIMINARY COURSES (IF MENTIONED IN THE COURSE STRUCTURE "REGOLAMENTO")

NONE

PREREQUISITES (IF APPLICABLE)

NONE

LEARNING GOALS

Through presentation of patients with diverse medical presentation (including acute, chronic, and multi-morbid conditions), students learn the fundamentals of:

- Diagnosis and therapy of pathologies of surgical relevance framed as non-specialist medical competences
- Principles of surgical care, emergency and elective digestive surgical pathology, endocrine surgery
- Principles of surgical endoscopy
- Principles of minimally invasive approaches to surgical diseases
- General principles of surgery for cancer
- Treatment of end-stage organ disease by organ transplantation
- Basics of clinical transplant immunology

EXPECTED LEARNING OUTCOMES (DUBLIN DESCRIPTORS)

Knowledge and understanding - The course aims to provide the knowledge needed to understand the main aspects of the importance of surgical therapy of abdominal diseases. Through the study of these issues, the student will be able to understand the correct diagnostic approaches to the pathologies proposed in the course eventually the preoperative and postoperative patient's care.

Applying knowledge - The course, also through the presentation of clinical cases accompanied by laboratory investigations, in a comparative perspective, is aimed at providing tools for analyzing and evaluating the effects of proper approach to surgical therapy of abdominal diseases.

Making informed judgments and choices - Through the study of different theoretical approaches and the critical evaluation of the clinical cases proposed, the student will be able to improve their judgment and proposal skills in relation to the analysis of patients suffering from abdominal diseases which can be treated by surgery. The students will have to demonstrate ability to articulate a process of differential diagnosis and critical analysis of diagnostic tools, including the impact of technology in the operating theater and the most recent and innovative surgical approaches. Finally, the student must be able to independently assess the pathogenetic mechanisms underlying the main surgical pathologies and plan preventive, diagnostic and therapeutic interventions. The student must be able to identify diagnostic paths for surgical pathologies and for complex problems.

Communicating knowledge - The presentation of clinical cases, theoretical and application concepts on general surgery preoperative patients work up and will not be carried out in such a way as to allow the acquisition of the mastery of a technical language and of an adequate and specialized terminology; the development of communication skills, both oral and written, will also be stimulated through class discussion and through the final oral exam.

Capacities to continue learning - Learning skills will be stimulated through power point presentations and classroom discussion also aimed at verifying the effective understanding of the topics covered. Learning skills will be stimulated through supplementary didactic supports (results of laboratory tests, simulations of clinical cases) in order to develop applicative skills.

Knowledge and understanding

The student needs to show ability to know and understand problems related to:

- Assessing, diagnosing, and managing patients with acute and chronic surgical abdominal pathologies;
- Assessing, diagnosing, and managing patients with complex morbidity and surgical diseases;
- Assessing and managing hemostasis and shock;
- Performing basic procedures of General Surgery;
- Assessing capacity for surgical decision-making;
- Discussing serious and/or complex aspects of perioperative care with patients, families, and caregivers;

Applying knowledge and understanding

Disciplinary competence (knowing how to do something) that students need to acquire:

- Managing an inpatient general surgery service;
- Differential surgical diagnosis and/or treatment;
- Multidisciplinary Team approaches and quality of care in surgical oncology;

COURSE CONTENT/SYLLABUS

Teaching activities of the integrated course in GENERAL SURGERY 2024-2025

Week	Date	Time	Lesson Topic	Professor
1 week October 6-10	6	15-16	Scientific principles: Preoperative assessment	De Werra C.
	7	15-16	Classification of operations & surgical instruments	Troisi R.
	8	15-16	Nutrition and metabolism	De Werra C.
	9	15-16	Infections and sepsis in surgery	Angrisani L.
	10	15-16	Hemostasis and Shock	Angrisani L.
2 week October 13-17	13	15-16	Measuring the quality of surgical care	De Werra C.
	14	15-16	3-D preoperative planning and augmented reality	Rompianesi G.
	15	15-16	Artificial Intelligence in surgery	Rompianesi G.
	16	15-16	Metabolic syndrome and morbid obesity	Musella M
	17	15-16	Treatment of complications of morbid obesity	Musella M
3 week October 20-24	20	15-16	Surgical treatment of thyroid diseases	Musella M.
	21	15-16	Innovative surgical approaches of thyroid diseases	Musella M.
	22	15-16	Minimally Invasive Surgery	Troisi R.
	23	15-16	Endoluminal surgery - 1	Donatelli G.
	24	15-16	Endoluminal surgery - 2	Donatelli G.
4 week October 27-31	27	15-16	Surgical treatment of breast diseases	Rocco N.
	28	15-16	Multimodal treatment of breast cancer	Rocco N.
	29	15-16	Technological advances in breast surgery	Rocco N.
	30	15-16	Surgical treatment of adrenal glands	Montalti R.
	31	15-16	Gastrointestinal bleeding: diagnosis, therapy -1	Galloro G.
5 week November 3-7	3	15-16	Gastrointestinal bleeding: diagnosis, therapy -2	Galloro G.
	4	15-16	Benign Upper GI diseases - 1	Galloro G.
	5	15-16	Benign Upper GI diseases - 2	Galloro G.
	6	15-16	Esophageal neoplasms - 1	Milone M
	7	15-16	Esophageal neoplasms - 2	Milone M.
6 week November 10-14	10	15-16	Gastric neoplasms -1	Maione F.
	11	15-16	Gastric neoplasms -2	Maione F.
	12	15-16	Benign Lower GI diseases	Maione F.
	13	15-16	Inflammatory bowel diseases: Crohn's disease	Luglio G.
	14	15-16	Inflammatory bowel diseases: Ulcerative colitis	Luglio G.
7 week November 17-21	17	15-16	Colorectal neoplasms	Luglio G.
	18	15-16	Anal canal neoplasms	Luglio G.
	19	15-16	Jaundice: when the surgery is indicated	Troisi R.
	20	15-16	Bile duct cancer	De Werra C.
	21	15-16	Focal liver lesions	Troisi R
8 week November 24-28	24	15-16	Secondary liver tumors	Troisi R
	25	15-16	Benign pancreatic diseases	Troisi R
	26	15-16	Pancreas neoplasms	Troisi R
	27	15-16	Pancreatic neuroendocrine tumors	Troisi R
	28	15-16	Gastroenteric neuroendocrine tumors	De Werra C.
9 week December	1	15-16	Principles of organ preservation	Troisi R.
	2	15-16	Abdominal Multiorgan Procurement	Rompianesi G.

1-5	3	15-16	Kidney Transplantation	Rompianesi G.
	4	15-16	Pancreas Transplantation	Rompianesi G.
	5	15-16	Liver Transplantation	Troisi R.
10 week December 9-12	8/12		HOLIDAY	
	9	15-16	Multivisceral transplantation	Troisi R.
	10	15-16	Abdominal vascular diseases of surgical relevance - 1	Rompianesi G.
	11	15-16	Abdominal vascular diseases of surgical relevance - 2	Rompianesi G.
	12	15-16	Surgical spleen diseases	Rompianesi G.
11 week December 15-19	15	15-16	Acute abdomen I	Milone M.
	16	15-16	Acute abdomen - 2	Milone M.
	17	15-16	Retroperitoneal diseases	Montalti R.
	18	15-16	Hernias (1)	Milone M.
	19	15-16	Hernias (2)	Milone M.
12 week January 9	9	15-16	Incisional hernias	Milone M.

READINGS/BIBLIOGRAPHY

GREENFIELD'S SURGERY: SCIENTIFIC PRINCIPLES AND PRACTICE

Authors/Editor: Mulholland, Michael W.; Lillemoe, Keith D.; Doherty, Gerard M.; Upchurch, Jr., Gilbert R.; Alam, Hasan B.; Pawlik, Timothy M.

Publisher: Lippincott Williams & Wilkins (LWW) (Publication Year: 2017) Edition: 6th Ed.

SCHWARTZ'S PRINCIPLES OF SURGERY

Authors: John Hunter, Lillian Kao, Jeffrey Matthews, Raphael Pollock, F. Brunicardi, Dana Andersen, Timothy Billiar, David Dunn.

Publisher: McGraw-Hill 2019

TEACHING METHODS

Teachers will use: a) lectures for approximately 70 % of total hours; b) practical exercises for approximately 20 % of total hours d) seminars, e) stages, d) other, to elaborate on specific themes for approximately 10% of total hours".

EXAMINATION/EVALUATION CRITERIA

Exams type	
ONLY ORAL	X
CLINICAL CASE DISCUSSION	X