



## COURSE DETAILS

### " PATHOLOGICAL ANATOMY AND HISTOLOGY II"

SSD MED/08

DEGREE PROGRAMME: MEDICINE AND SURGERY (P11)

ACADEMIC YEAR 2024-2025

## GENERAL INFORMATION – TEACHER REFERENCES

TEACHER: PROF. GIANCARLO TRONCONE

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Faculty	Position	Scientific Fields:	Phone	Reception (day/time/building)	E-mail
Troncone Giancarlo	PO	Anatomic Pathology	3436	Fri. 11.00-13.00	<a href="mailto:giancarlo.troncone@unina.it">giancarlo.troncone@unina.it</a>
Bellevicine Claudio	PA	Anatomic Pathology	3674	Mon. 14.00-16.00	<a href="mailto:claudio.bellevicine@unina.it">claudio.bellevicine@unina.it</a>
Ilardi Gennaro	PA	Anatomic Pathology	2305	Thur. 14.00-16.00	<a href="mailto:gennaro.ilardi@unina.it">gennaro.ilardi@unina.it</a>
Malapelle Umberto	PA	Anatomic Pathology	3674	Fri. 11.00-13.00	<a href="mailto:umberto.malapelle@unina.it">umberto.malapelle @unina.it</a>
Mascolo Massimo	PA	Anatomic Pathology	3442	Tue. 13.00-15.00	<a href="mailto:massimo.mascolo@unina.it">massimo.mascolo@unina.it</a>

## GENERAL INFORMATION ABOUT THE COURSE

INTEGRATED COURSE (IF APPLICABLE):

MODULE (IF APPLICABLE):

SSD OF THE MODULE (IF APPLICABLE):

CHANNEL (IF APPLICABLE): 1

YEAR OF THE DEGREE PROGRAMME: IV

SEMESTER: II

CFU: 7

## REQUIRED PRELIMINARY COURSES (IF MENTIONED IN THE COURSE STRUCTURE “REGOLAMENTO”)

*Pathological anatomy*

## PREREQUISITES (IF APPLICABLE)

*Knowledge of normal human anatomy and histology.*

## LEARNING GOALS

*The course aims at providing students with basic notions related to:*

- *knowledge of the macroscopic, microscopic and molecular features of the diseases;*
- *integration of information derived from morphology and molecular biology with the clinical presentation of the diseases;*
- *knowledge of the role of Anatomic Pathology in defining the prognosis and therapeutic strategies.*

## EXPECTED LEARNING OUTCOMES (DUBLIN DESCRIPTORS)

### Knowledge and understanding

*The student should demonstrate knowledge and understanding of the problems relating to the fundamental notions concerning the macroscopic, microscopic and molecular morphological aspects of the diseases of organs and systems, with particular regard to their integration with the clinical aspects, without neglecting the therapeutic and prognostic implications. The student should elaborate complex discussions concerning the anatomo-clinical correlations, starting from the notions learned.*

### Applying knowledge and understanding

*The training course aims to convey the operational skills necessary to concretely apply the knowledge in the exercises and laboratory sessions, where the student will practically explore the topics covered in the lectures. The sessions will be based on the study of clinical-pathological cases, on the observation of surgical and autopsy macroscopic samples and on the guided observation of microscopic preparations, also through the use of the digital slide.*

## COURSE CONTENT/SYLLABUS

*HEARTH AND BLOOD VESSELS: morphology, macroscopy and microscopy of hypertrophic and ischemic diseases, cardiomyopathy, myocardial infarction, chronic ischemic heart disease, valvular disease (CFU 0.8).*

*LUNG: morphology, macroscopy, microscopy of acute and chronic lung injuries, obstructive, restrictive and interstitial diseases, pulmonary infections. Histopathology, cytopathology and molecular biology of lung neoplasms (CFU 0.8).*

*BONE: morphology, macroscopy and microscopy of neoplastic and non-neoplastic osteoarticular diseases (CFU 0.7).*

*CENTRAL NERVOUS SYSTEM: morphology, macroscopy and microscopy of malformations, cerebrovascular diseases, infections, degenerative diseases and tumors (CFU 0.8).*

*FEMALE GENITAL TRACT: morphology, macroscopy, and microscopy of non-neoplastic and functional diseases, inflammations and pre-malignant (cervix and PAP- test screening) and malignant lesions. (CFU 0.8)*

*BREAST: morphology, macroscopy and microscopy of benign and malignant epithelial and stromal lesions.*

*Immunohistochemical and molecular predictive markers. (CFU: 0.8)*

*KIDNEY: morphology, macroscopy and microscopy of glomerulonephritis, interstitial nephropathy, and neoplasms. (CFU 0.8)*

*LOWER URINARY TRACT: morphology, macroscopy and microscopy of infective, inflammatory and neoplastic diseases. (CFU 0.7)*

*MALE GENITAL SYSTEM AND PROSTATE: morphology, macroscopy and microscopy of inflammations, hypertrophy, and tumors of the prostate. Non-neoplastic and neoplastic diseases of testis (CFU 0.8).*

## READINGS/BIBLIOGRAPHY

*Kumar V. Abbas AK. Fausto N, Aster JC.: Robbins & Cotran Pathologic Basis of Disease.*

## TEACHING METHODS

Teachers will use: a) lectures for approx..70 % of total hours; b) practical exercises.

Week	Day	Lesson (Time)	Professor
<b>1° 10-14 March 2025</b>	Tuesday, 11	LUNG NEOPLASMS: HISTOPATHOLOGY AND CYTOPATHOLOGY	G. Troncone/ E. Vigliar
	Thursday, 13	NON-NEOPLASTIC LUNG	G. Troncone/ E. Vigliar
<b>2° 17-21 March 2025</b>	Tuesday, 18	LUNG NEOPLASMS: PREDICTIVE PATHOLOGY	U. Malapelle/C. De Luca
	Thursday, 20	LIQUID BIOPSY - ADI	U. Malapelle
<b>3° 24-28 March 2025</b>	Tuesday, 25	BLOOD VESSELS PATHOLOGY	C. Bellevicine/D. Russo
	Thursday, 27	HEARTH PATHOLOGY	C. Bellevicine/D. Russo
<b>4° 31 March – 4 April 2025</b>	Tuesday, 1	BREAST PATHOLOGY I	C. Bellevicine/D. Russo
	Thursday, 3	BREAST PATHOLOGY II	C. Bellevicine/D. Russo
<b>5° 7-11 April 2025</b>	Tuesday, 8	FISH IN BREAST CANCER	G. Ilardi/ S. Varricchio
	Thursday, 10	BREAST CYTOPATHOLOGY	C. Bellevicine
<b>6° 14-18 April 2025</b>	Tuesday, 15	BREAST NEOPLASMS: PREDICTIVE PATHOLOGY	U. Malapelle/ F. Pepe
	Thursday, 17	MALE GENITAL SYSTEM	M. Mascolo
<b>7° 21-25 April 2025</b>	Tuesday, 22	NON-NEOPLASTIC KIDNEY DISEASES	M. Mascolo/ R. Di Crescenzo
	Thursday, 24	NEOPLASTIC KIDNEY DISEASES	M. Mascolo
<b>8° 28 April - 6-2 May 2025</b>	Tuesday, 29	PROSTATE PATHOLOGY	G. Troncone
<b>9° 5-9 May 2025</b>	Tuesday, 6	FEMALE GENITAL TRACT	G. Ilardi/ R. Di Crescenzo
	Thursday, 8	FEMALE GENITAL TRACT-ADI	G. Ilardi
<b>10° 12-16 May 2025</b>	Tuesday, 13	NON-NEOPLASTIC CNS DISEASES	M. Mascolo/ R. Di Crescenzo
	Thursday, 15	NEOPLASTIC CNS DISEASES	M. Mascolo/ R. Di Crescenzo
<b>11° 19-23 May 2025</b>	Tuesday, 20	CERVICOVAGINAL CYTOLOGY	G. Troncone/ C. De Luca
	Thursday, 22	BONE PATHOLOGY	G. Troncone/ P. Pisapia
<b>12° 26–30 May 2025</b>	Tuesday, 27	URINARY TRACT DISEASES	M. Mascolo
	Thursday, 29	FLUIDS and URINE CYTOPATHOLOGY	C. Bellevicine/ E. Vigliar

#### EXAMINATION/EVALUATION CRITERIA

For **integrated courses**, this field should encompass all modules, with indication of the relative weight of each module on the final mark. For integrated courses, this field should be coordinated by the reference teacher for the course.

Exam type	
written and oral	
only written	
only oral	X
project discussion	
other	