# COURSE DETAILS

# "HUMAN ANATOMY –MODULE 2"

# SSD BIOS-12/A

DEGREE PROGRAMME: MEDICINE AND SURGERY (P11)

ACADEMIC YEAR 2025-2026

## GENERAL INFORMATION – TEACHER REFERENCES

COORDINATOR: FRANCA DI MEGLIO

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| Faculty member | Position | Scientific Fields | Phone 081-746 | Reception (day, time, building) | E-mail |
|---|---|---|---|---|---|
| Clotilde Castaldo | Full Professor | Human Anatomy | 3421 | Thu 13.30-14.30 (bldg 20, room 212) | clotilde.castaldo@unina.it |
| Franca Di Meglio | Associate Professor | Human Anatomy | 3409 | Thu 13.30-14.30 (bldg 20, room 207) | franca.dimeglio@unina.it |
| Veronica Romano | RTDB | Human Anatomy | 3598 | Thu 13.30-14.30 (bldg 20, room 216) | veronica.romano@unina.it |

## GENERAL INFORMATION ABOUT THE COURSE

TEACHING LANGUAGE: ENGLISH
YEAR OF THE DEGREE PROGRAMME: II
SEMESTER: II
CFU: 8

## REQUIRED PRELIMINARY COURSES

*Molecular and Cell Biology, Human Anatomy – module I*

## PREREQUISITES

*For the proper understanding of the topics discussed in Human Anatomy course, students should have acquired general knowledge on the cell and tissue structure, as well as cardiovascular and peripheral nervous systems.*

## LEARNING GOALS

*The human anatomy course discusses the normal structure of the human body and provides the foundations of gross and microscopic anatomy required to pursue further medical education and clinical training. Human Anatomy II program comprises the study of the systemic gross and microscopic anatomy, vessels, nerves and functions of the organs of the respiratory, alimentary, urinary, genital systems, endocrine glands, central nervous system and sense organs, autonomic part of peripheral nervous system, and the integument.*

## EXPECTED LEARNING OUTCOMES (DUBLIN DESCRIPTORS)

*Students will gain the ability to appreciate and describe the three-dimensional and multi-level complexity of human body, to describe the topography, vascularization, innervation, and structure of organs using the correct international anatomical terminology, to understand and appreciate the inextricable link between normal structure and function of human organs and systems.*

### Knowledge and understanding

*The student will know the official anatomical terminology and normal human anatomy at the macroscopic and microscopic level and will understand the relationships between organs and between organ systems at different levels of organization.*

### Applying knowledge and understanding

*The student will be able to examine and describe the structure of the human body using anatomical terminology, describe the relationships between organs by analyzing them from a topographic and functional point of view, indicate the surface projection of organs at the basis of the clinical examination, recognize and describe the organs by observing histological sections and correlate their structure with the functional specializations at the tissue and cell level.*

## COURSE CONTENT/SYLLABUS

*1. Respiratory system - nose, larynx, trachea, bronchi, lungs; thoracic cavity, pleura*
*2. Alimentary system - mouth, fauces, pharynx, esophagus, stomach, small and large intestine, liver, gallbladder, pancreas; abdominopelvic cavity, peritoneum*
*3. Urinary system - kidney, ureter, urinary bladder, urethra*
*4. Genital systems - female and male internal and external genitalia; perineum*
*5. Endocrine glands - pituitary gland (hypothalamic-pituitary axis), pineal body, thyroid, parathyroid, adrenal glands, pancreatic islets*
*6. Central nervous system - brain parts, spinal cord; ascending and descending tracts; brain stem, cranial nerves; cerebellum; forebrain; motor, sensory and limbic systems*
*7. Sense organs - eye and optic pathways; ear, vestibular and auditory systems*
*8. Autonomic nervous system - sympathetic and parasympathetic parts, peripheral autonomic plexuses and ganglia; central control of the autonomic nervous system*
*9. The integument - skin, skin appendages*

| SCHEDULE OF THE COURSE | | | |
|---|---|---|---|
| **Week** | **Day**<br>**Hour 1.00-3.00 p.m.** | **Prof.** | **Formal Lectures** |
| 1st<br>Mar 2nd-6th,<br>2026 | Mon, Mar 2nd<br>Tue, Mar 3rd<br>Wed, Mar 4th<br>Thu, Mar 5th | Di Meglio | Respiratory system (gross and microscopic anatomy) |
| 2nd<br>Mar 9th-13th,<br>2026 | Mon, Mar 9th<br>Tue, Mar 10th<br>Wed, Mar 11th<br>Thu, Mar 12th | Di Meglio | Gastrointestinal system - ingestive portion (gross and microscopic anatomy) |
| 3rd<br>Mar 16th-20th,<br>2026 | Mon, Mar 16th<br>Tue, Mar 17rd<br>Wed, Mar 18th<br>Thu, Mar 19th | Di Meglio | Gastrointestinal system - digestive portion (gross and microscopic anatomy) |
| 4th<br>Mar 23th-27th,<br>2026 | Mon, Mar 23th<br>Tue, Mar 24th<br>Wed, Mar 25th<br>Thu, Mar 26th | Di Meglio<br>Romano | Liver and pancreas (gross and microscopic anatomy)<br>Urinary system (gross and microscopic anatomy) |
| 5th<br>Mar 30th-Apr 1st,<br>2026 | Mon, Mar 30th<br>Tue, Mar 31st<br>Wed, Apr 1st | Romano | Endocrine system (gross and microscopic anatomy) |
| 6th<br>Apr 8th-10th,<br>2026 | Mon, Apr 8th<br>Tue, Apr 9th | Castaldo | Perineum |
| 7th<br>Apr 13th-17th,<br>2026 | Mon, Apr 13th<br>Tue, Apr 14th<br>Wed, Apr 15th<br>Thu, Apr 16th | Di Meglio | Female reproductive system (gross and microscopic anatomy) |
| 8th<br>Apr 20th-24th,<br>2026 | Mon, Apr 20th<br>Tue, Apr 21th<br>Wed, Apr 22th<br>Thu, Apr 23th | Di Meglio | Male reproductive system (gross and microscopic anatomy)<br>Skin and appendages |
| 9th<br>Apr 27th-30th,<br>2026 | Mon, Apr 27th<br>Tue, Apr 28th<br>Wed, Apr 29th<br>Thu, Apr 30th | Castaldo | Central Nervous System |
| 10th<br>May 4th-8th,<br>2026 | Mon, May 4th<br>Tue, May 5th<br>Wed, May 6th<br>Thu, May 7th | Castaldo | Central Nervous System. |

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|---|---|---|---|
| 11th May 11th-15th, 2026 | Mon, May 11th<br>Tue, May 12th<br>Wed, May 13th<br>Thu, May 14th | Castaldo | Central Nervous System. |
| 12th May 18th-22th, 2026 | Mon, May 18th<br>Tue, May 19th<br>Wed, May 20th<br>Thu, May 21th | Castaldo | Central Nervous System. |
| 13th May 25th-29th, 2026 | Mon, May 25th<br>Tue, May 26th<br>Wed, May 27th<br>Thu, May 28th | Castaldo | Sensory Organs (gross and microscopic anatomy) |

## READINGS/BIBLIOGRAPHY

*Moore KL, Dalley AF, Agur AMR. Clinically oriented anatomy. LWW*
*Drake R, Vogl AW, Mitchel AWM. Gray's anatomy for students. Elsevier*
*Ross MH, Pawlina W. Histology - text and atlas. LWW*
*Vanderah TW, Gould DJ. Nolte's The Human Brain. Elsevier*

## TEACHING METHODS

*For the teaching of Human Anatomy, the teacher will use a) frontal lectures for 80% of total hours and b) laboratories to further elaborate on applied knowledge for 20 % of total hours.*

## EXAMINATION/EVALUATION CRITERIA

*The final exam consists of a written test and an oral test. The written test will consist of 30 multiple choice questions. The students who pass the written test (minimum score of 18/30) can proceed to taking the oral test.*
*The oral component tests the mastery of the official anatomical terminology and the ability to use it correctly to describe the gross and microscopic anatomy of the organs of the digestive, respiratory, urinary, endocrine, genital and central nervous systems (with cranial nerves), also taking into consideration the structural and functional relationships between them.*

**a) Exam type:**

| Exam type | |
|---|---|
| **written and oral** | **X** |
| **only written** | |
| **only oral** | |
| **project discussion** | |
| **other** | |

| | | |
|---|---|---|
| **In case of a written exam, questions refer to: (*)** | **Multiple choice answers** | **X** |
| | **Open answers** | **X** |
| | **Numerical exercises** | |

**b) Evaluation pattern:**

*This field needs to be filled in only when there are different weights among written and oral exams, or among modules if this refers to an integrated course.*