

Course description Part 1

General information about the course			
1. Major of study: Nursing 2. Study profile: practical		3. Study level: First degree (Bachelor) 4. Form of study: intramural 5. Education cycle: cycle 2026-2029	
6. Year: 1		7. Semester: I, II	
8. Course name: Anatomy			
9. Course status: obligatory			
<p>10. Course contents: Acquaintance with the anatomical structure of individual systems of the human body and the basic relationships between their structure and function in conditions of health and disease. Getting to know the basic anatomical concepts. Recognition and location on phantoms and anatomical models of the basic structures of the human body: elements of the skeletal and muscular system, internal organs, vascular and nerve structures. (course of the neurovascular bundles in the upper and lower extremities, superficial venous vascularization). The ability to palpate the location of selected anatomical structures, their importance and use in clinical practice. Ability to use anatomical terminology, and using knowledge of the topography of organs of the human body in practice.</p> <p>Learning outcomes/reference to learning outcomes indicated in the standards (select as appropriate): educational standards (<u>Regulation of the Minister of Science and Higher Education</u>) / Senate Resolution of the Medical University of Silesia in Katowice (<i>provide the wording contained in the standards/learning outcome codes approved by the Senate Resolution</i>): For knowledge – student knows and understands: A.W1 For skills student can: A.U1 For social competencies student is ready to: N/A</p>			
11. Number of hours for the course (contact hours/including communication hours*/self-study*)		55/-/20	12. Number of ECTS points for the course: <div style="text-align: right; font-size: 1.2em; font-weight: bold;">3</div>
13. Form of passing the course: egzamin			
14. Methods of verification and evaluation of learning outcomes:			
Learning outcomes	Methods of verification***	Methods of evaluation **/completion***	
Knowledge	Graded exam – SCQ test, 50 questions	**	
Skills	Observation		
Competencies	-		

* if required by educational standards

** in the case of a graded exam/assessment it is assumed that the grade corresponds to:

*** in accordance with the course regulations

Very good (5,0) – the assumed learning outcomes have been achieved and significantly exceed the required level

Better than good (4,5) – the assumed learning outcomes have been achieved and slightly exceed the required level

Good (4,0) – the assumed learning outcomes have been achieved at the required level

Better than satisfactory (3,5) – the assumed learning outcomes have been achieved at the average required level

Satisfactory (3,0) – the assumed learning outcomes have been achieved at the minimum required level

Un satisfactory (2,0) – the assumed learning outcomes have not been achieved

Course description Part 2

Other useful information about the course		
15. Name of Department, mailing address, e-mail: Department of Anatomy, Faculty of Health Sciences in Katowice Medical University of Silesia in Katowice, 18 Medyków Street, 40-752 Katowice tel. (+48) 32 208 88 44; e-mail: anatom.wnoz@sum.edu.pl ; website: http://anatom.wnoz.sum.edu.pl		
16. Name of the course coordinator: Michał Giller, MSc		
17. Prerequisites for knowledge, skills and other competencies: Anatomy knowledge of High School Level		
18. Number of students in groups:	In accordance with the Senate Resolution	
19. Study materials/teaching aids:	SUM e-learning platform, anatomical models, classic and multimedia anatomical atlases, human anatomical specimens.	
20. Location of classes:	Lab rooms of the Department of Anatomy, ground floor, room 3, 4, 5, Auditorium A1 of the Department of Forensic Medicine and Toxicology; 18 Medyków Street, 40-752 Katowice	
21. Location and time for contact hours:	Department of Anatomy, C3 wing, 6th floor, room 603A Monday 10:00am-12:00pm	
22. Learning outcomes :		
Number of the course learning outcome	Course learning outcomes	Reference to learning outcomes indicated in the standards:
C_K01	The student knows human body structure in topographical (upper and lower limbs, chest, abdomen, pelvis, back, neck, head) and functional (skeletal system, muscular system, cardiovascular system, respiratory system, digestive system, urinary system, reproductive systems, nervous system, sensory organs, integumentary system) approach. The student understands the basic relationships between their structure and function. The student knows the correct anatomical terminology in English.	A.W1.
C_S01	The student uses in practice anatomical denomination and utilises knowledge of topography of human body organs (skeletal system, muscular system, cardiovascular system, respiratory system, digestive system, urinary system, reproductive systems, nervous system, sensory organs, integumentary system).	A.U1.
23. Teaching methods: expository, problem-based, activating, demonstrative, programmed, practical		
24. Forms and topics of classes: **		Number of hours (contact): 55
24.1. Lectures		20
Skull, general structure. Sex differences and age-related differences of the skull.		2
Structure of the musculoskeletal system. Clinical issues. Intramuscular injections sites.		2
Base of the vascular system with special regard to the arterial system (pulse palpation points) and venous system of the limbs (sites for intravenous injections – IV Injections and sites for taking blood samples – venipuncture).		2
Heart structure, systemic and pulmonary circulation. Remnants of the fetal circulation. Clinical issues		2
Structure of the lungs, respiration mechanics. Clinical issues.		2

The topography of the neck. Larynx structure, blood supply and innervation. Larynx location and its changes with age.	2
Sense organs: eye and ear.	2
Cranial nerves. Functional classification. Direction and range of innervation, symptoms of palsy.	2
Abdomen, topography of the internal organs and peritoneal development. Hernias.	2
Pelvis, topography and structure of the internal organs of the true pelvis.	2
24.2. Seminars	-
24.3. Classes	35
Basic Anatomical terms. Orientation on the body, description of the axes, planes, directions and relationships. Osteology – structure, types and role of the bones, joints types.	3
Axial skeleton, skull.	3
Organs of the locomotion: upper limb girdle (shoulder girdle), free part of the upper limb – bones, joints, muscles, vessels and nerves. Brachial plexus.	4
Organs of the locomotion: Lower limb girdle (pelvis girdle), free part of the lower limb – bones, joints, muscles, vessels and nerves. Lumbosacral plexus.	3
Head – topography. Sense organs structure eye and ear, blood supply and innervation. Oral cavity. Nasal cavity. Teeth.	3
Cranial nerves – the range of innervation. Topography of the neck, cervical plexus. Larynx, pharynx – structure and topography, blood supply and innervation.	4
Central and peripheral nervous system – Brain structure and function. Ascending and descending tracts of the brain and spinal cord. Ventricular system, cerebrospinal fluid (CSF) circulation.	3
Autonomic nervous system – main centers location and function. Higher brain functions sites in the Cortex. Sensory and motoric brain function organization. Centers and tracts of the sense organs. Circulation and Respiratory system regulation.	3
The walls of the Thorax and Back. Muscles of respiration, back muscles, blood supply and innervation. Thorax – internal organs of the thorax, heart and mediastinum, systemic and pulmonary circulation, respiratory system, lungs, pleura, mechanics of respiration.	3
Abdominal walls, muscles and their function, innervation and blood supply. Hernias types and topography. Peritoneum, structure and function. Peritoneal cavity. Abdomen, internal organs. Supracolic compartment and infracolic compartment. Glands of the Gastrointestinal system. Blood supply and Innervation.	3
Pelvis: muscles of pelvis, compartments, organs of the true pelvis, vessels and nerves. Male and Female urogenital system. Topography, function, blood supply and innervation.	3
24.4. Clinical classes	-
24.5. Practical classes	-
24.6. Low-fidelity simulations	-
24.7. High-fidelity simulations	-
24.6. Self-study*	20
Additional materials for practical classes made available via the e-learning platform for independent completion, together with an answer key provided at the end of the semester to verify responses.	10
Additional tests provided during classes or via the e-learning platform to become familiar with the format of course assessment/exam questions; checked by the instructor.	10

25. ECTS balance: **	
ACTIVITY	NUMBER OF HOURS / STUDENT WORKLOAD
Contact hours according to the schedule (with the instructor)	55
Preparation for various forms of classes	
Participation in consultations	
Time to complete a project/documentation/self-study	
Self-study*	20
Preparation for the exam	
Participation in the exam	
Practical classes	
Clinical placements	
TOTAL HOURS	55
TOTAL NUMBER OF ECTS CREDITS	3
26. Readings:	
1. Drake, Richard L., et al. / <i>Gray's Basic Anatomy. Third ed.</i> / Elsevier, 2023 2. Netter, Frank Henry / <i>Atlas of Human Anatomy. Fifth ed.</i> / Saunders Elsevier, 2011 Additional: 1. Hansen, John T., Frank Henry Netter / <i>Netter's Clinical Anatomy. Fifth ed.</i> / Elsevier, 2023 2. Abrahams, Peter H., et al. / <i>Abrahams' and McMinn's Clinical Atlas of Human Anatomy. Eighth ed.</i> / Elsevier, 2020	
27. Evaluation criteria – details:	
In accordance with the recommendations of the inspection bodies, Completion of the course – student has achieved the assumed learning outcomes, Detail criteria for completion and evaluation of the course are specified in the course regulations,	

* if required by educational standards, the self-study content is provided by the instructor

** complete as appropriate in accordance with the guidelines of the Programme Council/Committee for the major, after approval by the Dean