

## Course description

### Part 1

General information about the course	
1. Major of study: medicine	2. Study level: unified MSc 3. Form of study: intramural
4. Year: III	5. Semester: V, VI
6. Course name: Gross Anatomy I + II	
7. Course status: required	
<b>8. Course objectives</b> <ol style="list-style-type: none"> <li>1. Anatomical nomenclatures of human body plans, regions and axis.</li> <li>2. The skeletal system; bones of the upper and lower limb and joints, the vertebral column and joints, bony structures of the thoracic wall including imaging techniques.</li> <li>3. Topography of musculoskeletal system of the upper limb and lower, innervation- brachial plexus and lumbar sacral plexus and blood circulation system including lymphatic drainage of the upper and lower limb, clinically oriented anatomy of the musculoskeletal system of the upper and lower limbs and imaging techniques.</li> <li>4. The thoracic cavity anatomy and topography of the cardiovascular system and the respiratory system and clinically oriented anatomy of these systems including imaging techniques and diagnostic tools including noninvasive and invasive methods.</li> <li>5. Topography and clinically oriented anatomy of the abdominal cavity including; the digestive system including upper and lower GI, blood supply and innervation the gut, The urinary system, male and female, the reproductive system of female and male, imaging techniques and other diagnostic tools.</li> <li>6. Topography and the clinically oriented anatomy; head and neck, the bony structures, the sensory organs of the head and neck and the cranial nerves including basic diagnostic tools and outcomes.</li> <li>7. Anatomy of the nervous system: Central and peripheral nervous system including sympathetic and parasympathetic system. Clinically oriented anatomy and imaging techniques and tools available in additional diagnosis procedures.</li> </ol> <p>After the completion of the course the student should be able to identify the topography and physiological function and basic physical diagnosis including common pathologies in emergency medicine of the; musculoskeletal system, cardiovascular system, respiratory system, gastrointestinal system, urinary system, endocrine system, male and female reproductive system, the sensory organs and the central and peripheral nervous system.</p> <p><b>Learning outcomes / reference to learning outcomes indicated in</b> (underline as appropriate):  <u>education standards (Regulation of the Ministry of Science and Higher Education)</u> / Resolution of the Senate of the Medical University of Silesia (indicate terms specified in education standards / signs of learning outcomes approved by the Resolution of the Senate of the Medical University of Silesia)  For knowledge student knows and understands: A.W1, A.W2, A.W3.  For skills student can do: A.U3, A.U4, A.U5.  For social competencies student is ready to:</p> <ol style="list-style-type: none"> <li>1) establish and maintain deep and respectful contact with the patient, as well as showing understanding of ideological and cultural differences;</li> <li>2) guiding the patient's well-being;</li> <li>3) compliance with medical confidentiality and patient's rights;</li> <li>4) taking actions towards the patient based on ethical principles, with the awareness of social conditions and restrictions resulting from the disease;</li> <li>5) perceiving and recognizing one's own limitations and self-assessing educational deficits and needs;</li> <li>6) promoting health-promoting behavior;</li> </ol>	

- 7) using objective sources of information;
- 8) formulating conclusions from own measurements or observations;
- 9) implementing the principles of professional camaraderie and cooperation in a team of specialists, including representatives of other medical professions, also in a multicultural and multinational environment;
- 10) formulating opinions on various aspects of professional activity;
- 11) assuming responsibility related to decisions taken as part of professional activities, including in terms of self and other people's safety.

<b>9. Number of hours for the course</b>	<b>210</b>	<b>10. Number of ECTS points for the course</b>	<b>17</b>
<b>11. Form of evaluation:</b> exam			
<b>12. Methods of verification and evaluation of learning outcomes</b>			
Learning outcomes	Methods of verification	Methods of evaluation*/ credit	
<b>Knowledge</b>	Written evaluation – open questions Grade credit – MCQ and MRQ (multiple response questions)	<ul style="list-style-type: none"> <li>• MCQ</li> </ul>	
<b>Skills</b>	Report Observation Practical exam-PIN test in anatomy specimens	<ul style="list-style-type: none"> <li>• Practical PIN test</li> </ul>	
<b>Competencies</b>	Observation	<ul style="list-style-type: none"> <li>• Power point presentations and evidence based learning</li> </ul>	

\* For exams and grade credits the following evaluation system has been assumed:

**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

**Unsatisfactory (2,0)** – the assumed learning outcomes have not been achieved