

**Thematic plan of lecture-type classes  
in discipline «Anatomy» for students of 2025 year of admission  
under the educational programme General Medicine 31.05.01 (specialist's),  
form of study full-time for the 2025-2026 academic year**

№	Topic	h
<b>I semester</b>		
1.	<b>Introduction to anatomy.</b> <sup>1</sup> The subject of human anatomy. Principles of the modern anatomy and methods of investigation in the anatomy. Content of the subject. History of anatomy. Human development. General structure of human body development. The concept of organs and organ systems. Anatomical terminology <sup>2</sup>	2
2.	<b>Axial skeleton.</b> <sup>1</sup> The development of axial skeleton in phylo- and ontogenesis. Variants and anomalies of axial skeleton. The stages of axial skeleton evolution. The features of newborn vertebral column, formation of lordosis and kyphosis. The points of ossification. Age-related changes in the axial skeleton. Variants and anomalies <sup>2</sup>	2
3	<b>The anatomy of the muscular system. Anatomy and topography of the abdominal muscles, muscles of the back and thorax.</b> <sup>1</sup> Muscle development. The concept of myotome. Muscle structure. Auxiliary muscular apparatus. Classifications of muscles. Variations and abnormalities of skeletal muscles. Topographical anatomy of the body: limits, cellular and intermuscular spaces, triangles, canals. <sup>2</sup>	2
4	<b>Total for 1<sup>st</sup> semester</b>	<b>6</b>
<b>II semester</b>		
1.	<b>Introduction to splanchnology. General review of the alimentary system.</b> <sup>1</sup> Functions, development of digestive system in onto- and phylogenesis: oral cavity, palate, tongue, major salivary glands, teeth. Age features. Classification, structure, individual and group sings, tooth eruption. Variants and anomalies.	2
2.	<b>Development of the genital organs. Perineum.</b> <sup>1</sup> Male genital organs: internal and external, anatomy, topography and functions. Female genital organs: internal and external, its structure, topography and functions. Perineum: muscles and fascias. Variants and anomalies of genital organs. <sup>2</sup>	2
3.	<b>The lymphatic system.</b> <sup>1</sup> Principles of the structure of the lymphatic system (capillaries, vessels, trunks and ducts, their general characteristics). Central and peripheral organs of immune system. Lymphatic node, thymus, spleen. Lymphatic vessels, lymphatic drainage from different parts of the body.	2
4.	<b>Total for 2<sup>nd</sup> semester</b>	<b>6</b>
<b>III semester</b>		
1	<b>Nervous system.</b> <sup>1</sup> Phylo- and ontogenesis of the nervous system. General information about the nervous system. The formation of the cerebral parts as the origin of the brain vesicle formation. Variants and anomalies of the nervous system. <sup>2</sup>	2
2.	<b>Endocrine glands.</b> <sup>1</sup> Development of endocrine glands in ontogenesis. The relationship between the nervous and endocrine systems. Features of the structure and function of the endocrine glands. The relationship of the nervous and endocrine systems. <sup>2</sup>	2

3.	<b>Organs of hearing and vision</b> <sup>1</sup> Anatomy of the ear: external, middle and internal ear. Structures auxiliary to the eye. The auditory pathway. Anomalies of development. Anatomy of the eye. Structures auxiliary to the eye. The optic pathway. Anomalies of development. <sup>2</sup>	2
4.	<b>Total for 3<sup>rd</sup> semester</b>	<b>6</b>
	<b>Total</b>	<b>18</b>

Verified on the chair meeting № 20 « 24 » june 2025г.

Head of the chair for Anatomy



S.A. Kalashnikova