

**Thematic plan of practical classes on normal physiology
for the students of the group 201a*– 205a*
(III semester 2025-2026 year)**

№	Name of subjects, content	Number of hours
PHYSIOLOGY OF CARDIOVASCULAR SYSTEM		
1.	1. SUBJECT AND METHODS OF NORMAL PHYSIOLOGY Instructions on safety rules	4 02.02.26 06.02.26
2.	19. PHYSIOLOGY OF HEART 19.1. Electrocardiography.	4 09.02.26 13.02.26
3.	20. CARDIAC CYCLE. HEART TONES. STROKE VOLUME AND CARDIAC OUTPUT 20.1. Calculation of cardiac cycle duration in person by pulse 20.2. Auscultation of cardiac tones 20.3. Calculation of stroke volume and cardiac output 20.4. Danini-Achner's ocular-cardiac reflex	4 16.02.26 20.02.26
4.	21. ARTERIAL PULSE. ARTERIAL PRESSURE. RESERVE RESOURCES OF HEART 21.1. Research of arterial pulse properties by palpation 21.2. Measuring of arterial pressure in person: a) auscultation method by Korotkov b) palpation method by Riva-Rochi. 21.3. Evaluation of reserve resources of hearts (Roufier's test) 21.4. Respiratory-cardiac reflex of Hering	4 23.02.26 27.02.26
5.	22. FUNCTIONAL METHODS OF EXAMINATION OF CARDIOVASCULAR SYSTEM 22.1. Orthostatic test 22.2. Functional test for reactivity of cardiovascular system 22.3. Influence of exercises on cardiovascular system	4 02.03.26 06.03.26
6.	23. CONTROL CLASS ON THE TOPIC «PHYSIOLOGY OF CARDIOVASCULAR SYSTEM »	4 09.03.26 13.03.26
DIGESTION		
7.	24. DIGESTION IN ORAL CAVITY AND STOMACH. 24.1. Digestion of starch with enzymes of the person's saliva	4 16.03.26 20.03.26
8.	25. DIGESTION IN INTESTINE 25.1. Digestion of proteins by gastric juice. 25.2. Influence of bile on fats 25.3. Examination of gastric juices acidity	4 23.03.26 27.03.26
METABOLISM AND ENERGY. NUTRITION. THERMOREGULATION		
9.	26. METABOLISM. NUTRITION 26.1. Making the daily diet 26.2. Ratio of individual body weight from the due.	4 30.03.26 03.04.26
10.	27. ENERGY METABOLISM. THERMOREGULATION. 27.1. Calculation of basal metabolism by tables of Harrison-Benedict's 27.2. Calculation of the deviation of size of the basal metabolism by Read's	4 06.04.26 10.04.26

	formula and the nomogram 27.3. Calculation of working metabolism at the dosed physical activity. 27.4. Taking the human body temperature.	
PHYSIOLOGY OF EXCRETION		
11.	28. EXCRETION. MECHANISM OF URINE FORMATION, ITS PHYSICAL-CHEMICAL PROPERTIES 28.1. Detection of protein in urine 28.2.. Detection of sugar in urine 28.3. Combined express-diagnostic test for evaluation of certain physico-chemical properties of urine	4 13.04.26 17.04.26
12.	29. CONTROL CLASS ON TOPICS: « DIGESTION», «METABOLISM AND ENERGY. NUTRITION», «THERMOREGULATION», «EXCRETION ».	4 20.04.26 24.04.26
PHYSIOLOGY OF THE SENSORY SYSTEMS		
13.	30. PHYSIOLOGY OF VISUAL SYSTEM 30.1. Measurement of visual acuity 30.2. Measurement of the visual field (perimeter) 30.3 Eye accommodation 30.4. Detection of the black spot on the retina of the eye	4 27.04.26 01.05.26
14.	31. PHYSIOLOGY OF AUDITORY AND VESTIBULAR SYSTEMS 31.1. Binaural hearing evaluation 31.2. Examination of air and bone conduction of sound 31.3. Examination of proprioception at the person 31.4. Tests of the vertical and horizontal writing	4 04.05.26 08.05.26
15.	32. SYSTEMIC PAIN MECHANISMS 32.1. Contrast phenomenon in the visual analyzer 32.2. Evaluation of color vision 32.3. Examination of tactile sensitivity. Esthesiometry	4 11.05.26 15.05.26
PHYSIOLOGY OF HIGHER NERVOUS ACTIVITY. PSYCHOPHYSIOLOGICAL PROPERTIES OF PERSONALITY AND BEHAVIOR OF A PERSON.		
16.	33. CONDITIONED-REFLEX ACTIVITY OF A HUMAN. TYPES OF HIGHER NERVOUS ACTIVITY. 33.1. Development and suppression of conditioned pupillary reflex to the bell in person 34.1. Detection of the higher nervous activity features of a person depending on prevalence of I or II signal system 34.2. Determination of HNA types by parameters of force, balance and mobility of nervous processes 34.3. Evaluation of the type of human working capacity («owl–lark» test)	4 18.05.26 22.05.26
17.	34. MECHANISMS OF MEMORY 35.1. Evaluation of dominating type of memory 35.2. Measurement of short-term acoustical memory volume. 35.3. Assessment of attention parameters.	4 25.05.26 29.05.26
18.	CONTROL CLASS Computer testing on the topics of the III semester	4 01.06.26 05.06.26