

**Academic discipline:
"Physiology"**

Code and name of specialty	1-03 02 01 Physical Training
Training course	2
Semester of training	³ / ₄
Number of class hours:	130
Lectures	56
Seminar classes	48
Practical classes	
Laboratory classes	26
Form of current assessment (credit/differential credit/exam)	Credit/Exam
Number of credits	6
Competencies to be formed	To determine and evaluate functional indicators that characterize the vital activity of the main body systems; to use physiological methods in professional activity.
Summary of the content of the academic discipline:	
The academic discipline "Physiology" gives an idea of the processes of vital activity of the whole organism. The course covers such issues as irritability, electrical phenomena in excitable tissues, physiology of reception, nervous and endocrine systems, their interaction in a single integrative mechanism of regulation of functions. The internal environment of the body (blood, tissue fluid, lymph), hemodynamics, heart physiology, lymph circulation, operation of breathing, digestion, excretion, metabolism and other functions are considered in detail, taking into account the molecular, cellular, tissue, organ, systemic and behavioral levels of modern study.	