

Summary of the working program of the academic discipline

« METHODS OF PHYSIOLOGICAL FUNCTIONS STUDY »

General Educational Program of higher education (specialist's degree programs)
Specialty 31.05.01 «General Medicine»

Department of normal physiology named after N.Yu. Belenkov

1. The purpose of mastering the discipline: participation in the formation of competence PC-5.

2. Position of the academic discipline in the structure of the General Educational Program (GEP).

2.1. The discipline refers to the part formed by the participants of educational relations of Block 1 of GEP HE.

3. Deliverables of mastering the academic discipline and metrics of competence acquisition

Mastering the discipline aims at acquiring the following professional (PC) competencies:

No	The competence code	The content of the competence (or part of it)	Code and name of the competence acquisition metric	As a result of studying the discipline, students should:		
				Know	Be able to	Possess
2	PC-5	PC-5 Be able to collect complaints, anamnesis of the patient's life and illness, conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation), formulate a preliminary diagnosis and make a plan for laboratory and instrumental examinations of the patient	PC-5.1 He knows: The legislation of the Russian Federation in the field of health protection, regulatory legal acts and other documents defining the activities of medical organizations and medical workers; methods of collecting complaints, anamnesis of the patient's life and illness; methods of complete physical examination of the patient (examination, palpation, percussion, auscultation); etiology, pathogenesis and pathomorphology, clinical picture, differential diagnostics, features of the course, complications and outcomes of diseases of internal organs; regularities of functioning of a healthy human body and mechanisms of ensuring health from the standpoint of the theory of functional systems; features of regulation of functional systems of the human body in pathological processes; methods of laboratory and instrumental studies to assess the state of health, medical indications for research, rules for interpreting their results.	Physiological processes occurring in the human body and their manifestations; Methods of functional and laboratory diagnostics (EMG, study of the rate of excitation along the nerve, study of reflex activity, ECG, PCG, photoplethysmography, pneumotachometry, spirometry, methods of studying sensory systems, EEG, methods of studying HNA, thermometry, hematological studies).	Evaluate the results of laboratory and functional diagnostic methods; Perform practical work under the guidance of a teacher; Evaluate the physiological states of various cellular, tissue and organ structures.	Skills of independent use of the physiological conceptual apparatus.

4. Volume of the academic discipline and types of academic work

Total labor intensity of the discipline is 2 CU (72 AH)

Type of educational work	Labor intensity		Labor intensity by semester (AH)	
	volume in credit units (CU)	volume in academic hours (AH)	3	4
Classroom work, including	1,2	44	22	22
Lectures (L)	0,3	10	8	2
Laboratory practicum (LP)				
Practicals (P)	0,9	34	14	20
Clinical practice (CP)				
Seminars (S)				
Student's individual work (SIW)	0,8	28	14	14
Mid-term assessment: credit				
TOTAL LABOR INTENSITY	2	72	36	36

5. Sections of the academic discipline and competencies that are formed

№	Competence code	Section name of the discipline
1.	PC-5	Methods of investigation of the functional state of excitable systems.
2.	PC-5	Methods of studying the functions of the CNS.
3.	PC-5	Methods of research of sensory systems.
4.	PC-5	Methods of HNA research.
5.	PC-5	Methods for the study of visceral functions.