Summary of the working program of the academic discipline

« Medical Rehabilitation»

General Educational Program of higher education (<u>specialist's degree programs</u>) 31.05.03 DENTISTRY

Department: Medical Rehabilitation

- **1. The purpose of mastering the discipline** participation in the formation of relevant competencies GPC-12, PC-9
- 2. Position of the academic discipline in the structure of the General Educational Program (GEP).
 - **2.1.** The discipline refers to the core part of Block 1 of GEP. The discipline is taught in 6th semester /4th year of study.

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

Mastering the discipline aims at acquiring the following universal (UC) or/and general

professional (GPC) or/and professional (PC) competencies

pı	otessional (G	PC) or/and professiona	ii (PC) competencies			
			Code and name of the	As a result of mastering the discipline, the students should:		
No	Competence	The content of the	competence acquisition		Stadents snoun	
"-	code	competence (or its part)	metric	know	be able to	possess
						_
1.	GPC-12	Able to implement and		procedures	develop an	Has practical
		monitor the		for	action plan	experience in:
		effectiveness of medical		organizing	for medical	drawing up an
		rehabilitation of a dental		medical	rehabilitation	action plan for
		patient		rehabilitation	in patients	the medical
				and	with dental	rehabilitation of
				sanatorium	diseases in	a patient with
				treatment;	accordance	dental diseases
1				methods of medical	with the current	in accordance with the current
1				rehabilitation	procedure for	procedure for
1				of the	organizing	medical
				patient,	medical	rehabilitation,
				medical	rehabilitation	clinical
				indications	, clinical	recommendatio
				and medical	recommendat	ns, taking into
				contraindicat	ions, taking	account the
				ions for their	into account	standards of
				implementati	the standards	medical care;
				on, taking	of medical	carrying out
				into account	care;	medical
				the diagnosis	determine	rehabilitation
				in	medical	measures for
				accordance	indications	patients with
1				with the	for medical	dental diseases
1				current	rehabilitation	in accordance
1				procedures	of patients with dental	with the current
1				for organizing	diseases in	procedure for organizing
				medical	accordance	medical
1				rehabilitation	with the	rehabilitation,
1				, clinical	current	clinical
1				recommendat	procedure for	recommendatio
1				ions, taking	organizing	ns, taking into
1				into account	medical	account the
1				the standards	rehabilitation	standards of
1				of medical	, clinical	medical care;
				care;	guidelines,	referring

		medical	taking into	patients with
		indications	account the	dental diseases
		and medical	standards of	for consultation
		contraindicat	medical care;	with specialist
		ions for	refer patients	doctors;
		medical	with dental	evaluation of
		rehabilitation	diseases for a	the
		measures in	consultation	effectiveness
		patients with	with	and safety of
		dental		measures for
		diseases;	specialist doctors for	the medical
		medical	the	rehabilitation of
		indications	appointment	patients with
		for referring	and	dental diseases
		patients with	implementati	
		dental	on of	
		diseases to	medical	
		specialist	rehabilitation	
		doctors for	, sanatorium	
		the	treatment, in	
		appointment	accordance	
		of medical	with the	
		rehabilitation	current	
		measures,	procedures	
		sanatorium	for	
		treatment;	organizing	
		the	medical	
		procedure for	rehabilitation	
		providing	and	
		medical care	sanatorium	
		to the adult	treatment,	
		population in	clinical	
		case of	recommendat	
		dental	ions, taking	
		diseases;	into account	
		the	the standards	
		procedure for	of medical	
		providing	care;	
		medical care	evaluate the	
		to children	effectiveness	
		with dental	and safety of	
		diseases;	medical	
		ways to	rehabilitation	
		prevent or	measures for	
		eliminate	patients with	
		complication	dental	
		s, side	diseases in	
		effects,	accordance	
		adverse	with the	
		reactions,	current	
		including	procedure for	
		serious and	organizing	
		unforeseen,	medical	
		resulting	rehabilitation	
		from medical	, clinical	
		rehabilitation	recommendat	
		of children	ions, taking	
		and adults	into account	
		with dental	the standards	
		diseases	of medical	
			care	

2.	PC-9	Willingness to		Clinical	Justify the	Development of
۷.	PC-9	determine the need for		guidelines(tr	use of	a plan for the
		the use of natural		eatment	medicines,	medical
		healing factors, drug,		protocols) on	medical	rehabilitation of
		non-drug therapy and		the provision	devices,	patients with
		other methods in		of medical	dietary	impaired
		patients with diseases of		care to	nutrition,	functions and
		the maxillofacial region		patients with	non-drug	structures of the
		in need of medical		diseases or	treatment for	human body
		rehabilitation and spa		conditions, in	patients with	and subsequent
		treatment		connection	impaired	disability,
				with the	functions and	regardless of
				development	structures of	age, diseases
				of which	the human	and (or)
				medical rehabilitation	body and	conditions in accordance with
				measures are	subsequent disability, in	the procedure
				provided;	accordance	for organizing
				Methods of	with the	medical
				medical	current	rehabilitation,
				rehabilitation	procedures	current
				of patients	for the	procedures for
				with various	provision of	the provision of
				diseases or	medical care,	medical care,
				conditions;	clinical	clinical
				Mechanism	guidelines	guidelines
				of action of	(treatment	(treatment
				drugs,	protocols) on	protocols)) on
				medical	the provision	the provision of
				products and	of medical	medical care,
				medical	care, taking	taking into
				nutrition	into account	account the standards of
				used in medical	the standards of medical	standards of medical care;
				rehabilitation	care;	Interpretation of
				; medical	Determine	the data
				indications	the sequence	obtained during
				and medical	of the use of	the consultation
				contraindicat	drugs, non-	of a patient with
				ions to the	drug therapy	impaired
				appointment;	for patients	functions and
				possible	with	structures of the
				complication	impaired	human body
				s, side	functions and	and subsequent
				effects,	structures of	disability, by
				adverse	the human	specialist
				reactions,	body and	doctors,
				including serious and	subsequent disability, in	specialists with higher
				unexpected;	accordance	professional
				ICF;	with the	(non-medical)
				Features of	current	education of a
				dysfunction,	procedures	multidisciplinar
				activity and	for the	y rehabilitation
				participation	provision of	team, data from
				in the main	medical care,	laboratory,
				diseases that	clinical	instrumental
				cause	recommendat	and clinical
				disability,	ions	studies in order
				non-	(treatment	to obtain an
				communicabl	protocols) on	idea of the
				e diseases,	the provision	degree of
			ļ ·	Pathogenesis	of medical	impairment of

and sanogenesis of the main diseases that cause disability, noncommunicabl diseases; Methods assessment, classification of variants of violations of motor functions, higher mental functions, psychoemotional state, speech, writing, hygiene skills, household skills and other aspects of the functioning of the human body; Functional classes in assessing the degree dysfunction on the recommendat ion of the World Health Organization gradations of functional classes

taking care, into account the standards of medical help; To prescribe medicines, medical products and medical nutrition in order to correct the impaired functions and structures of the human body, limited life activity of the patient in case of diseases and (or) conditions; carry secondary prevention activities in accordance with the current procedures for the provision of medical care, clinical recommendat ions (treatment protocols) on the provision of medical care for medical rehabilitation , taking into account the standards of medical care; Monitor the effectiveness and safety of the use of medicines, medical devices and medical nutrition in order correct impaired functions and structures of

various functions, structures, and the patient's vital activity (activity, participation, influence of environmental factors); Formulating the goals carrying out rehabilitation measures based the rehabilitation diagnosis rehabilitation potential for the day, for week, for the entire period of stay of a patient with impaired functions and structures of the human body and subsequent disability in a medical organization; Formulating the goals medical rehabilitation aimed at achieving the goals of medical rehabilitation: Formation of an individual program of medical rehabilitation aimed at solving problems and achieving the goals of medical rehabilitation, taking into account indications and contraindication s for the use of certain forms and methods of medical rehabilitation;

Determination

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			the human	of the motor
			body, limited	mode,
			life activity	individual boundaries of
			of the patient in diseases	boundaries of the intensity of
			and (or)	the applied
			conditions	influences on a
			, ,	patient who has
				impaired
				functions and
				structures of the
				human body
				and subsequent
				disability; Determination
				of risk factors
				and factors
				limiting the
				implementation
				of measures for
				the
				implementation of an individual
				program of
				medical of
				rehabilitation;
				Prescribing
				medicines,
				medical devices
				and medical nutrition in
				order to correct
				impaired
				functions and
				structures of the
				human body,
				life limitations
				of a patient with various diseases
				and (or)
				conditions;
				Evaluation of
				the
				effectiveness
				and safety of
				the use of
				drugs, medical devices and
				clinical
				nutrition for
				patients with
				impaired
				functions and
				structures of the human body
				human body and subsequent
				limitations of
				human life due
				to various
				diseases and
				(or) conditions
	ne of the academic disci			

Total labor intensity of the discipline is 2,1 CU (75,2 AH)

Type of educational work	Labor i	Labor	
	volume in	volume in	intensity (AH)
	credit units	academic	in semesters
	(CU)	hours (AH)	6
Classroom work, including	1,2	44	44
Lectures (L)	0.3	10	10
Laboratory practicum (LP)*	-	-	-
Practicals (P)	0.9	34	34
Seminars (S)	-	-	-
Student's individual work (SIW)	0.8	28	28
Mid-term assessment			
credit/exam (specify the type)	0.1	3.2	3.2
TOTAL LABOR INTENSITY	2.1	75.2	75.2

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

№	Competen ce code	Section name of the discipline	The content of the section in teaching units
	GPC-12 PC-9	General issues of rehabilitation. Methods and means of medical rehabilitation.	General principles of rehabilitation The order of organization of medical rehabilitation. Methods and means of medical rehabilitation. Features of examination in medical rehabilitation. Assessment of physical development. Goniometry. Assessment of the state of the musculoskeletal system. Evaluation of the functional state and rehabilitation capabilities of patients at the stages of medical rehabilitation. Functional stress tests. Definition of rehabilitation potential. The main scales and questionnaires used in medical rehabilitation. International concept of functioning, disability and health. International classification of functioning.
	GPC-12		Modern concepts of physiotherapy. Basic principles of therapeutic use
	PC-9	Fundamentals of physiotherapy. Therapeutic application of electromagnetic, mechanical and thermal factors in the system of medical rehabilitation.	of physical factors. Methods of therapeutic application of physiotherapeutic factors of direct and alternating current, pulsed electrotherapy. Indications and contraindications. Features of preparing a patient for procedures, an indicative basis for actions during the execution of procedures. Methods of therapeutic application of physiotherapeutic factors of high-frequency, ultra-high-frequency and microwave therapy. Magnetotherapy. Therapeutic application of mechanical factors of electromagnetic nature. Methods of therapeutic use of physiotherapeutic factors: optical radiation, artificial aerodisperse media. Water, mud, heat treatment. Spa treatment.
	GPC-12 PC-9	General principles of exercise therapy. The place of exercise therapy in the system of medical rehabilitation.	General principles of exercise therapy. Means of exercise therapy features of the exercise therapy. Schemes for constructing therapeutic gymnastics procedure. Classification of therapeutic exercises. Manifestations of immobilization (bed-rest) syndrome, changes in body systems. Exercise therapy for patients with degenerative disk disease.

	GPC-12 PC-9	Features of medical rehabilitation of certain categories of patients and disabled people.	Medical rehabilitation for diseases and injuries of the maxillofacial region.
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