Speciality "General Medicine"

ACADEMIC DISCIPLINE
"MEDICAL REHABILITATION AND PHYSIOTHERAPY"
THERAPY MODULE 2

Academic discipline outline	Therapeutic physical factors: mechanisms of action on the body and their use in complex treatment, patient rehabilitation, and disease prevention. Fundamentals of restoring functional activity, social status, and health in both non-disabled and disabled patients. Concept of quality of life. Assessment of patients' functional status and their rehabilitation capabilities. Medical rehabilitation tools, their mechanism of action, significance, and range of use for various diseases. Evaluation of rehabilitation effectiveness.
Resulting skills	Specialized skills. Assess the patient's functional status and vital functions with the underlying disabling pathology, and select the most effective means and methods for medical rehabilitation and physiotherapy.
Learning outcomes	A student must **know:** theoretical foundations of medical rehabilitation and the fundamental laws governing the self-renewal and self-improvement of the human body; laws of the Republic of Belarus regulating the fundamental provisions of rehabilitation and disability prevention; documents of the World Health Organization related to rehabilitation; regulatory documents of the Ministry of Health of the Republic of Belarus on medical rehabilitation and physiotherapy; general issues of the organization of medical rehabilitation and physiotherapy in the Republic of Belarus; main models of patient impairment and social deficiency, disability criteria; methods for assessing the functional state and vital functions of patients with cardiac, pulmonary diseases, movement disorders, and cerebrovascular accidents; the mechanism of action of physical factors on the patient's body, indications and contraindications; means of medical rehabilitation and physiotherapy, specific features of physiotherapy prescription for acute pathology; **be able to:** formulate a clinical and functional diagnosis; assess the functional status and vital functions of patients with

	underlying disabling pathology; select means and methods of medical rehabilitation and physiotherapy; develop an individualized medical rehabilitation program for the patient; select a physiotherapy method for the treatment of acute pathology; **master:** methods for assessing physical development and functional status in the primary disabling pathology; methods for conducting and evaluating standard stress tests; basic methods of electrotherapy and light therapy
Semester(s)	10, 11 semesters
Prerequisite	Medical and Biological Physics Normal Physiology Internal Medicine Neurology and Neurosurgery Traumatology and Orthopedics Surgical Diseases
Credit value	3,5 credits
Academic hours	134 academic hours, of which: 68 class hours
Forms of midterm attestation	credit