	UNIVERSITY OF BANJA LUKA **FACULTY OF MEDICINE**			
	UNDERGRADUATE STUDIES			
	Study Programme of:	**MEDICINE**		
Course Unit Name	**Physical medicine and rehabilitation**			
Type of Course Unit	**Appled Professional**			
Courese Unit Code	**Course Unit Status**	**Semester**	**Class Workload**	**Number of ECTS Credits**
TO BE DESIGNATED	COMPULSORY	X	2L + 1P	3
Staff	Tatjana Nozica Radulovic, PhD, Assistant Professor; Tamara Popovic, PhD, Assistant Professor; Dragana Dragicevic Cvjetkovic, PhD, Assistant Professor; Dragana Bojinovic Rodic, PhD, Assistant Professor; Maja Vuckovic, PhD, TA; Sandra Trivunovic, PhD, TA; Drasko Prtina, Expert Associate; Teodora Talic, Expert Associate			

Eligibility Requirements	**Form of Requirements**
All course units from the previous academic year having been passed	In accordance with the Rules of Studying at I Cycle Academic Studies

Goals of the Course Unit:

The course unit aims to introduce the students to the following:

a) Major features and goals of the rehabilitation process and of the functional process in rehabilitation
b) Multi-system effects of inactivity and non-specific measures to prevent them
c) Thearapeutic methods of physical medicine and rehabilitation
d) Basic principles of rehabilitational and physical therapeutic methods in all fields of medicine, particularly in neurology, internal medicine, surgery, and paediatrics
e) Multi-disciplinary approach in medical treatment and rehabilitation

Learning Outcomes (acquired knowledge):

Upon the completion of the course unit, the students will have been able to;

a) Understand the basic principles of operation of major therapeutic methods, that is, the outreach of physical medicine and rehabilitation
b) Recognise, based on the level of damage caused by the principal disease or injury, the current or potential inability and disturbance of the body's functionality
c) Understand the connection between the functional status of a patient and basic principles of rehabilitation in various fields of internal medicine (cardiology, rheumatology, endocrinology), neurology, surgery, and paediatrics, as well as in specific populations of oncological and geriatric patients
d) Recognise the possibility of application of early and late rehabilitation measures in order to prevent complications and improve the functional status of a patient by involving a physical medicine and rehabilitation specialist on the team or by committing a patient to a secondary- or tertiary-level healthcare institution

Contents of the Course Unit:

Theoretical classes

Fundamentals of physical medicine and rehabilitation. Major features of rehabilitation process. Major components of rehabilitation. Significance and methods of functional assessment. Functional assessment of general and local mobility. Significance of electrodiagnostic methods in rehabilitation. Methods of physical medicine and rehabilitation. Fundamentals of operation and of clinical application of thermotherapy, hydrotherapy, kinesitherapy, mechanotherapy, electrotherapy, phototherapy, sonotherapy, magnetotherapy, balneo-climatological factors, and ortho-prosthetic devices. Early rehabilitation, significance of early rehabilitation in prevention of multi-system effects of inactivity.

Practicals

Clinical assessment of patients with various diseases and damages, interpretation of findings with regard to rehabilitational goals and fundamentals of application of physical medicine and rehabilitation. Review of therapeutic methods of physical medicine and rehabilitation featuring a selection of diseases and injuries.

Teaching Methods:

The classes are given in the form of lectures and practical classes, with continuous revision through practicals, seminars, midterms, office hours, and independent students' work.

Literature:

Basic of Physical Medicine and rehabilitation, Textbook for Students of medicine 2024. Faculty of Medicine University of Belgrade.

Examination Forms:

Pre-Exam Duties		Final Exam		Total Points
Attendance	**10**			**100**
Midterms	**20**	**Oral exam**	**50**	
Seminar paper	**20**			

Note for the Course Unit:

Syllabus designer: Tatjana Nozica Radulovic, PhD, Assistant Professor