

Course unit title	NEUROLOGICAL DISORDERS AND PHYSIOTHERAPY
Course unit code	KT(SK)/3-5.3
Type of course unit	Compulsory
Level of course unit	First cycle
Year of study (if applicable)	Second year
Semester/	Fall semester
Number of ECTS credits allocated	6 ECTS
Learning outcomes of the course unit	Upon completion of the course unit, students will be able to: LO1. Identify the prevalence, causes, symptoms and treatment principles of major neurological disorders. LO2. Assess the functional status of patients with neurological disorders and formulate physiotherapy diagnoses. LO3. Develop individualized physiotherapy programmes for patients with disorders of the central and peripheral nervous systems. LO4. Select and apply appropriate physiotherapy interventions for patients with stroke, neurodegenerative diseases, traumatic brain injuries, spinal cord injuries and other neurological conditions. LO5. Analyse the effectiveness of physiotherapy interventions and adapt treatment plans according to patient needs and functional status. LO6. Apply evidence-based practice principles when planning and implementing physiotherapy programmes for neurological patients. LO7. Work effectively within a multidisciplinary rehabilitation team and participate in the management of neurological rehabilitation.
Mode of delivery	Blended learning
Prerequisites and co-requisites	Students must have completed the modules Professional Environment, Biomedical Sciences, Fundamentals of Pre-clinical Studies, and Physiotherapy for Internal Diseases.
Course contents	Physiotherapy for peripheral nervous system disorders. Physiotherapy for cerebrovascular diseases (stroke, aneurysm rupture). Physiotherapy for neurodegenerative diseases (Parkinson's disease, Alzheimer's disease, multiple sclerosis). Physiotherapy for traumatic brain injuries. Physiotherapy for brain tumours. Physiotherapy for spinal cord injuries. Physiotherapy management of cervical, thoracic and lumbar spine pain.
Planned learning activities and teaching methods	Interactive lectures, case analysis, simulations, tutorial sessions, guided discussions, journal club activities, independent literature analysis, development of individual physiotherapy programmes, clinical reasoning exercises, practical classes, and self-directed learning.
Assessment	Practical training (Practical skills assessment) – 40%. Written tests – 20% Physiotherapy intervention plan (research/project assignment) – 20%. Case study presentation – 20%.
Language of instruction.	English
Work placement(s)	Utenos kolegija Higher Education Institution Faculty of Medicine