

### Educational objectives 3rd degree

The graduate of the study field of Physiotherapy – 3rd degree (PhD.) can independently work scientifically in this field. The graduate has mastered the methodology of scientific work and knows how to use scientific methods in solving scientific problems in the field. The graduate is able to identify and define a scientific problem and is capable of developing a research project to solve it. The graduate knows and masters the sub-parts of the methodology and technology of scientific work: processing a research study for a given scientific problem through all types of information sources, and is able to define the goals of a research project, is able to design and use a system of methodologies to solve a scientific problem, is able to practically implement research procedures in project resolution, is able to select and apply appropriate statistical methods when evaluating research results, and critically assess the outcomes of scientific work, and compare them with relevant data from domestic and world literature, is able to process and rationally document the results of his/her research activity, theoretically and practically masters the methodologies of publishing the results of his/her research in the form of lectures, posters, brief information, abstracts and full publications in Slovak and English/German languages as well as in electronic form. He/she is proficient in modern methodologies for acquiring scientific information, knows how to work with scientific and professional literature, and can adequately cite literary sources in the text of lectures and publications published in print. The graduates' research work significantly contributes to the development of the field of study Physiotherapy.

The graduate possesses a wide range of skills, comprehensively handles the description, analysis and evaluation of physiotherapeutic conclusions, knows the basic indications, contraindications, and applications of physiotherapeutic, balneological, therapeutic, rehabilitation, and electrotherapeutic procedures. The graduate is proficient in evidence-based physiotherapy – in clinical kinesiology and pathokinesiology, in functional diagnostics of the locomotor system, in clinical methods of kinesiotherapy, in physical therapy in reconditioning-relaxation exercises and ergotherapy. The graduate is able to implement basic functional diagnostics and a rehabilitation program in terms of occupational rehabilitation.

The primary goal of the doctoral study is to shape a new generational group of professionally prepared creative scientific and scientific and pedagogical workers, capable not only of specialized, but also multidisciplinary reflection in the field of Physiotherapy.