University of Pristina
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University of Pristina

Faculty of Medicine

Level of studies:
Master

Scientific title obtained:
Master of Science in Physiotherapy

Number of credits:
120 ECTS

Accredited for the period:
October 1, 2024 - September 30, 2027

CONTENT

1. PURPOSE AND PROFILE OF THE STUDY PROGRAM

The Master of Science in Physiotherapy (MSc) program at the Faculty of Medicine, University of Pristina, is committed to achieving international recognition for practice and research through clinical, academic and professional excellence. The program is research-oriented, bringing together education and expertise in research and clinical practice, ensuring a wonderful student experience.

The aim of this programme is to develop highly competent academic practitioners who will consistently demonstrate the core competencies of physiotherapy practice in a wide range of settings upon graduation. The main aim of the programme is for graduates to be able to share their knowledge with students, clients, policy makers and other professionals in scientific settings in health research, to participate in clinical and healthcare research, contributing comprehensively to scientific knowledge. They will also be able to collect and analyse evidence, identify professional issues, practice sound decision-making, exercise good judgement and engage in best practice, as well as lifelong learning. They will develop confidence, competence and ethical sensitivity towards individuals and groups and demonstrate these attributes in their clinical practice.

The field within which the MSc program operates fits perfectly with the priority given to the Development of the Faculty of Medicine and is fully consistent with the priority of MEST in the research and development strategy. The program will be designed with a clear focus on international recognition of ECTS and the degree obtained.
This study program can be considered as a continuation of the Bachelor's studies in Physiotherapy at the Faculty of Medicine, University of Pristina, which are in line with physiotherapy educational policies worldwide.

The aims of the MSc programme are:

- to strengthen research capacities, skills, concepts and knowledge related to evidence-based physiotherapy practice;

- to gain inter-professional, multi-disciplinary and specific academic knowledge about the impacts of different health sectors on physiotherapy practice;

- to improve aspects of internationalisation and mobility within the MSc cycle;

- to create a common knowledge base on the development and implementation of the MSc programme through capacity and institution building measures.

- to prepare graduates to become good practitioners in their field.The other objective of the program is to support MSc studies , scientific research, innovation, lifelong learning (LLL) and

interaction with the scientific and clinical environment. Furthermore, the program will facilitate the mobility of researchers, students and professionals.

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The profile of the programme is based on interdisciplinary study. As such, the programme will focus on specific research and will enable candidates to independently implement and apply in-depth scientific research work, but also to gain professional and academic skills relevant to future professionals. This includes educating Master candidates in entrepreneurship and the transfer of knowledge between the University and the professional environment and vice versa - for the benefit of society as a whole - especially in relation to the economic and social impact of the candidates' work.

2. PROGRAM LEARNING OUTCOMES

The study program is aligned with the National Qualifications Framework (NQF) and the European Qualifications Framework for Higher Education (EQF), and with the World Physiotherapy ER Statement on Physiotherapy Education of the Europe region.

The study program is organized in Albanian and is in line with the second cycle program, level 7 of the National Qualifications Framework and the Qualifications Framework of the European Higher Education Area (EHEA) in the field of Physiotherapy. The program is designed with a clear focus on the international recognition of ECTS, lasts two years (120 ECTS), and upon completion the graduate receives the title of Master of Science (MSc) in Physiotherapy. The Master of Science in Physiotherapy program consists of several compulsory and elective subjects which are combined in order to best achieve the specified objectives of the qualification and to ensure adequate forms of teaching and learning .

The disciplines within the curriculum are logically aligned, which meet the precise definition and specification of general and specific competences, as well as compatibility with the study programmes and teaching programmes delivered in the EHEA.

After completing the studies, the student will be able to:

1) demonstrates clinical reasoning and the ability to draw from diagnostic tests and assessment findings to inform differential diagnosis and management, using standards of conduct consistent with their legal, professional, and ethical obligations.

2) communicates effectively with patients/clients and other stakeholders

3) works effectively with healthcare and other professionals to ensure safe, high-quality, client-centered management and to apply acquired management competencies related to the role of the physiotherapist in the health system

4) contribute to the development of systems, policies and procedures for the provision of physiotherapy services. Share knowledge and contribute to learning opportunities within and outside the physiotherapy unit.

5) provide expertise to guide and monitor individuals, groups and society in order to maintain and optimize health and well-being

6) apply new knowledge in physiotherapy practice based on scientific evidence, having self-direction and originality in the treatment and solution of scientific problems and challenges;

7) acts autonomously in planning and implementing research as well as to transfer acquired knowledge and increase the capacities of academic staff;

8) continue further studies according to European Standards, including third cycle studies.

4. STUDY PROGRAM: Master of Science in Physiotherapy

Master of Science in Physiotherapy

Year I									
Semester I									
			Hours/15 week						
No.	M/E	Subjects	L	SP	P	SS	T	ECTS	**Lecturers**
1	M	Analytical Statistics	30	15	15	65	125	5	Prof. Dr. Merita Berisha Prof.Ass.Dr. Sanije Gashi
2	M	Approaches to Research in Health Care	30	30		65	125	5	Prof. Dr..Merita Berisha, Prof. Ass. Dr. Rina Hoxha
3	M	Pathophysiology of ageing	30	30		65	125	5	Prof. Dr. Burim Neziri, Prof.Ass.Dr. Dafina Bytyqi
4	M	Assessment and Evaluation in Physiotherapy	30	15	15	65	125	5	Prof. Ass. Dr. Eqrem Gara, PT PhD Ass. Shkurta Rrecaj, PT, PhD
5	M	Functional anatomy of locomotor system	30	15	15	65	125	5	Prof.Ass.. Dr. Afrim Shabani Prof.Ass.. Dr. Premtim Rashiti Prof.Ass..Dr. Jeton Shatri Prof.Ass..Dr. Atifete Ramosaj Ass.Dr. Alije Keka Ass.Dr. Zgjim Limani
6	*E*	General elective subject*	30	30		65	125	5	
	E	*Pharmacologic treatment in Physiotherapy*	30	30		65	125	5	Prof.Dr. Shaip Krasniqi MD, PhD Prof.Ass. Valon Krasniqi, MD, PhD
	E	*Argumentative skills for health care teams*	30	30		65	125	5	Prof Asoc.Teuta Osmani-Vllasolli, Prof.Ass. Dr Merita Qorolli, PT PhD

	E	*Patho-morphological aspect of diseases of locomotor and nervous systems*	30	30		65	125	5	Prof. Dr. Suzana Manxhuka-Kerliu Ass. Dr. Merita Hashani, Dr. Sci.
Total:			180	135	45	390	750	30	

*Student elects one elective subject

Semester II									
			Hours/15 weeks						
No.	M/E	Subjects	L	SP	P	SS	T	ECTS	**Lecturers**
1	M	Kinesiology and Pathokinesiology of Gait	45	30	45	130	250	10	Prof. Ass.Dr. Eqrem Gara Ass. Adem Hykolli PT, PhD Ass.Sylejman Miftari PT, PhD
2	M	Pathokinesiology of the Trunk and Upper Extremity	45	30	45	130	250	10	Prof. Ass. Dr.Samire Beqaj Ass. Shkurta Rrecaj-Malaj PT, PhD Ass. Adem Hykolli PT, PhD
3	M	Physiotherapy in Primary Prevention	30	15	15	65	125	5	Prof. Ass.Dr. Eqrem Gara, PT, PhD Ass. Shkurta Rrecaj-Malaj PT, PhD
4	E	General elective subject*	30	30		65	125	5	
	E	*E-health and communication and information technology*	30	30		65	125	5	Prof. Ass. Dr. Naim Jerliu; Prof.Ass.. Dr. Sanije Gashi, MD, PhD Prof.Ass. Dr. Bashkim Gllareva
	E	*Diagnostic Imagery in Physiotherapy*	30	30		65	125	5	Prof. Dr. Serbeze Kabashi-Muçaj, PhD Prof. Ass.Dr. Kreshnike Dedushi, PhD
	E	*Nutrition and digestion*	30	30		65	125	5	Prof. Dr. Tahire Maloku-Gjergji
Total:			150	105	105	390	750	30	

*Student elects one elective subject

Year II									
Semester III			**Hours/15 weeks**						
No.	**M/E**	**Subjects**	**L**	**SP**	**P**	**SS**	**T**	**ECTS**	**Lecturers**
1	E	Professional elective subject I	45	30	45	130	250	10	
2	E	Professional elective subject II	45	30	45	130	250	10	
3	E	Professional elective subject III	45	30	45	130	250	10	
	E	Professional elective subject*							
1	E	*Neurophysiotherapy*	45	30	45	130	250	10	Prof.Ass. Dr.Samire Beqaj PT, PhD Ass. Shkurta Rrecaj-Malaj, PT, PhD
2	E	*Physiotherapy of musculoskeletal system*	45	30	45	130	250	10	Prof. Ass. Dr.Merita Qorolli, PT, PhD Ass. Sylejman Miftari, PT, PhD Ass. Arbnore Ibrahimaj-Gashi, PT, PhD
3	E	*Physiotherapy of non- infectious chronic diseases*	45	30	45	130	250	10	Prof.Ass.. Dr. Samire Beqaj Ass. Naser Lahu , PT, PhD
4	E	*Sports physiotherapy*	45	30	45	130	250	10	Prof.Asoc. Dr.Ardiana Murtezani Ass. Naser Lahu, PT, PhD
5	E	*Physiotherapy in women's health*	45	30	45	130	250	10	Prof. Ass. Dr.Merita Qorolli, PT, PhD Ass. Arbnore IbrahimajGashi, Pt, PhD
3	E	*Physiotherapy of the Elderly*	45	30	45	130	250	10	Prof. Ass. Dr.Merita Qorolli Ass.Arbnore Ibrahimaj-Gashi, PT, PhD Ass. Sylejman Miftari, PT, PhD
Total:			135	90	135	390	750	30	

*Student elects three elective subjects

Semester IV			Hours/ 15 weeks							
No.	**O/Z**	**Subjects**	**L**	**S**	**SP**	**LP**	**SS**	**T**	**ECTS**	**Lecturers**
1	M	Evidence-based Practice in Physiotherapy	30	30			65	125	5	Prof.Ass..Dr. Merita Qorolli, PT, PhD
2	M	Master Thesis					625	625	25	
		Total:	30	30			690	750	30	

4. SUBJECT DESCRIPTIONS

Description for each subject
Analytical statistics (M) This module prepares students for analytical statistics, enables the selection of adequate methods for statistical data processing and verification of scientific research hypotheses. The main goal of this module is to familiarize students with the principles of analytical statistics, to understand and be able to apply basic techniques in descriptive , observational and differential statistics.
Approaches to Research in Health Care (M) This module allows students to develop the skills necessary to understand the critical elements in research planning, undertaking and analyzing data in healthcare - and health-related research, critical appraisal of scientific articles, literature review for scientific research, type of research in healthcare, study and presentation.
Pathophysiology of Aging (M) Through the study of this subject, students will understand the etiological factors responsible for pathophysiological disorders during the aging process. To understand the bodily disorders during aging. To know the mechanism of aging, to understand the current demographic situation of the elderly population, to make the connection between the causes (etiology) and pathological mechanisms (pathogenesis) that disrupt normal functions in the elderly, as well as to understand musculoskeletal changes during aging.
Assessment and Evaluation in Physiotherapy (M) Through this course students will gain knowledge of advanced theory, related clinical assessment and the ability to manage patients with various physiotherapeutic conditions . The aim of this module is to provide students with the knowledge and skills necessary to correctly apply clinical assessment and reasoning in physiotherapy, formulating appropriate treatment goals independently, based on relevant information from the history and clinical research, taking into account the nature and topography of the disorder, within all relevant areas of physiotherapy intervention **.**
Functional anatomy of the locomotor system (M) Purpose and expected results: Topographic anatomy of the human body; its division into zones (regions), topography and relationships with nervous and vascular elements, their mapping based on points of the body surface and tangible and conventional guidelines. Functional anatomy; the correlation of body shape and organ system functions. Clinical anatomy; the most common clinical problems of organs and the body in general and the safest way to eliminate their interference. To adopt Latin names according to anatomical terminology that will help them effectively communicate appropriately with their peers.
Kinesiology and Pathokinesiology of Gait (M) Basic concepts and principles involved in the biomechanics and physiology of human gait; synthesis of conceptual biomechanical models of gait that aid in understanding the kinematics, kinetics, and measurements of normal gait. Through this course, students will gain knowledge regarding the historical perspective of gait analysis, control of the body's center of mass, joint kinematics, energy expenditure, muscle activity, foot kinetics, and gait dysfunctions, and mechanisms of gait pathology; in-depth knowledge of gait assistive devices, orthoses , and prostheses and their impact on gait variables; clinical

gait analysis and interpretation of kinesiological pathological gait results ; selection of appropriate physiotherapeutic procedures and gait assistive devices ; other therapeutic modalities to improve gait
Pathokinesiology of the Trunk and Upper Extremity (M) Through this module students will gain fundamental knowledge about the biomechanics , kinesiology and pathokinesiology of the trunk and upper extremity. Biomechanical principles of posture, balance, balance in physiological and pathological conditions, surface anatomy, basic structure, biomechanical principles applied to understand normal and abnormal movement, analysis of the physical function of the human trunk and upper extremity. Biomechanical assessment of posture and kinesiological and pathokinesiological analysis of trunk and upper extremity function. Examination, assessment and physiotherapeutic treatment procedures in the pathokinesiology of the trunk and upper extremities, as well as the evaluation of their efficacy.
Physiotherapy in primary prevention (M) After completing theoretical and clinical education and in relation to fictitious and real patient cases, the student should be able to investigate, analyze, assess and evaluate the patient's resources, needs and functional disorders at the body structure/functional level, activity level and participation level; describe in writing and practically apply skills in examination, analysis, assessment, treatment and evaluation methods from a biopsychosocial perspective within the various physiotherapeutic fields; Apply behavioral, psychological, educational, medical and ergonomic medical models, theories and methods , in the analysis and treatment of individual patients and patients in groups
Evidence-based Practice in Physiotherapy (M) Through this module students will gain knowledge about the critical appraisal of current scientific evidence, research planning and reporting of results; understanding of clinical practice guidelines, which is a prerequisite for evidence-based physiotherapy practice. Furthermore, the course aims to allow the student to apply systematic database searching, gain knowledge about models for knowledge transfer and evaluation as a basis for developing evidence-based working methods within physiotherapy and related fields.
Neurophysiotherapy (E) This module provides knowledge on the role of physical therapy in the assessment and treatment of patients with neurological disorders. The purpose of this module is to gain knowledge on the methods of examination of patients with disorders of the nervous system, namely to understand the purpose of each of the examination methods, to learn the correct way of their application to enable clinical decision-making in physiotherapeutic terms . Also, the purpose of this module is to first understand the basic scheme of rehabilitation of patients with nervous system damage, depending on the damaged structure, as well as possible modifications in relation to the patient.
Physiotherapy of the musculoskeletal system (E) This module will address the assessment and treatment of musculoskeletal disorders of the hip, spine, lower and upper extremities, patient education for physiotherapeutic management programs at an advanced level, including the application of exercises. The aim of this module is to provide students with the knowledge and skills necessary to establish appropriate diagnostic procedures in complex muscular disorders, based on the available scientific literature; to develop an appropriate treatment plan and rehabilitation for patients with musculoskeletal injuries .
Physiotherapy for chronic non-infectious diseases (E)

Physiotherapy methods and techniques in the treatment of patients with chronic non-infectious diseases; etiology, pathophysiology and epidemiology of chronic non-infectious diseases; understanding of the diagnosis and physiotherapeutic treatment of patients, individuals and groups at risk. The aim of this module is to provide students with knowledge of the etiology, pathophysiology and epidemiology of chronic non-infectious diseases as well as skills in order to apply the correct assessment and physiotherapeutic treatment of patients, individuals and groups at risk with non-chronic infectious diseases.
Sports physiotherapy (E) Through this course, students will gain knowledge about Sports Medicine and its connection with other subjects. Students will gain practical knowledge about the methods of physical education and sports (through practical explanation through physical education - sports - recreation) as three clearly defined forms of physical education activities that have different bio -healthy effects. The goal is to create a determined approach towards the protection and improvement of the health of athletes, and also the promotion and creation of cultural, sports and recreational habits.
Physiotherapy in women's health (E) This module will cover topics related to the basic anatomy and physiology of human reproduction, the phenomenon of pregnancy, maternity and postpartum care. Students will also be introduced to the anatomical and physiological changes during this period and to diseases related to the female reproductive system. To provide students with knowledge regarding physiotherapeutic assessment and treatment methods of neuro - musculoskeletal conditions in gynecology and obstetrics, as well as the role of physical activity and the types of exercises that are prescribed during pregnancy, possible effects and contraindications , as well as the role of physical agents in the treatment of gynecological diseases.
Physiotherapy of the Elderly (E) Physiotherapy of older individuals; demographics and physiology of aging; understanding, developing and implementing physiotherapy interventions at the primary, secondary and tertiary levels of health care and in end-of-life care. The aim of this module is to describe key principles in geriatric practice , such as evidence-based practice, successful aging versus optimal aging, and clinical decision-making using the ICF model; Identify multiple roles of a geriatric practitioner and member of an interprofessional team ; Critically appraise evidence related to examination and intervention for older people.
E-health and communication and information technology (E) This course explains/describes the basics of E-health, current and futuristic examples of e-health technologies in practice, current trends in internet and communication technology, how healthcare professionals use ICT in their clinical practice, and how E-health principles and technologies can be applied to professional practice.
Argumentative skills for health care teams (E) Interprofessional education is a collaborative approach to develop healthcare students, namely Master of Physiotherapy students, as future members of the interprofessional team and a recommendation suggested by the Institute of Medicine. Complex medical issues can be better addressed by interprofessional teams. Training future healthcare providers to work in such teams will help facilitate this model resulting in improved healthcare outcomes for patients. interprofessional team building skills , recognition of professions, patient-centered care, service learning, the impact of culture on healthcare delivery, and an interprofessional clinical component .
Patho-morphological aspect of diseases of locomotor and nervous systems (E)

Pathology of the musculoskeletal and nervous system provides a detailed and overarching All morphological alterations in diseases of these systems. In pathology, various molecular, microbiological and immunological techniques are used to understand the structural and functional changes that occur in cells, tissues, organs and organ systems. These functional and structural changes together with a review of the cause of the disease (etiology) and the mechanisms of its development (pathogenesis) facilitate the understanding of the concept of disease and its significance . its clinical. Identification of macroscopic and microscopic changes and their correlation with the patient 's clinical symptoms and signs as well as with Radiological data helps in determining the diagnosis of All the sick .
Pharmacological treatment in Physiotherapy (E) Pharmacology is the study of drugs, their sources, nature, and properties. It also studies the human body's response to drugs. This course covers basic knowledge of pharmacology, including administration, response physiological and side effects of drugs under normal and pathological conditions. The topics of this course focus on the impact of medications on patient rehabilitation/ client management . The medications used in iontophoresis and phonophoresis will be discussed in detail.
Diagnostic Imagery in Physiotherapy (E) In the course of medical studies, the need to know the the basics of radiology in the direction of Physiotherapy. Therefore, it is necessary that The student will gain basic knowledge about imaging as an interesting part of diagnosis. and the treatment of diseases , according to systems.
Nutrition and digestion (E) Nutrition and digestion provide an integrated overview of physiological requirements, the way in which nutrients are digested and absorbed from food. Topics include: physiological requirements, the role and importance of proteins, energy, vitamins and minerals, which are determinants of human health and disease, food sources, quantity, physiological role, needs for major nutrients, biological determinants of nutritional requirements and assessment of the nutritional status of an individual or population, the digestive system and its function, food absorption and digestive problems.

5. RELEVANT SOURCES

https://uni-pr.edu/

https://mjekesia.uni-pr.edu/

https://dokumente.uni-pr.edu/

https://www.enphe.org/en

https://world.physio/

https://www.erwcpt.eu/