Załącznik nr 78 do uchwały Nr 46 Senatu UMK z dnia 24 czerwca 2025 r.

S t u d y p r o g r a m m e

Part A) of the study programme

L e a r n i n g o u t c o m e s

Faculty offering the field of study:	**Faculty of Health Sciences**
Field of study:	**physiotherapy**
Level of qualification:	**long-cycle studies**
Level in the Polish Qualifications Framework:	**level 7**
Degree profile:	**general academic**
Degree awarded:	**magister**
Association of the field of study with scientific or artistic discipline(s) to which the learning outcomes refer:	**Discipline: health sciences (100%)** **Main discipline: health sciences**

Symbol	**Upon completion of studies, the graduate achieves the following learning outcomes:**
	KNOWLEDGE The graduate knows and understands:
1.	issues in the scope of the scientific discipline of biological sciences, including the development, structure and function of the human body in normal and pathological conditions
2.	issues in the scope of the scientific discipline of medical sciences, including the aetiology, pathomechanism, symptoms and course of the most common diseases
3.	issues in the scope of the scientific disciplines of psychology, pedagogy, sociological sciences, philosophy and bioethics
4.	effects of mechanical forces on the body of healthy and ill individuals, including older adults, persons with various dysfunctions and diseases, in different conditions
5.	mechanism of action of physical factors on the human body and effects of physical interventions in the treatment of persons with various dysfunctions and diseases, including older adults, in different conditions
6.	indications and contraindications to treatment procedures in the scope of physical therapy, massage, kinesitherapy, manual therapy, and special methods of physiotherapy
7.	recommendations to implement physiotherapeutic treatment in specific medical conditions
8.	principles of operation of medical products and their application in the treatment of persons with different diseases and dysfunctions, including older adults, in different conditions
9.	specialised concepts related to the theory, methodology and practice of physiotherapy
10.	advanced principles of functional diagnostics for the purposes of physiotherapy, designing plans of physiotherapeutic treatment and monitoring its effects - on advanced level
11.	concepts related to developing, maintaining and restoring physical fitness and efficiency in people of different age, including older adults, lost or reduced due to disease or injury, as well as advanced principles of health promotion -on advanced level

12.	legal and economic aspects of the functioning of entities providing rehabilitation services for persons with disabilities
13.	ethical, legal and social determinants of physiotherapy practice
SKILLS The graduate is able to:	
1.	carry out procedures in the scope of physical therapy, kinesitherapy, massage and manual therapy, and special methods of physiotherapy
2.	interpret results of functional tests and carry out functional tests necessary for the selection of appropriate treatment modalities and interpret their results
3.	create, verify and modify physiotherapy programs for individuals with different dysfunctions, including older adults, taking account of their clinical and functional status, as well as programs constituting part of the comprehensive rehabilitation process
4.	control the effects of physiotherapy treatment
5.	select medical products adequately to the type of dysfunction and the needs of patients at each stage of the rehabilitation process, and instruct patients in the use of those products
6.	implement procedures in the scope of adapted physical activity and disabled sports; plan, select, modify and design various forms of recreation and sports activities for individuals with special needs, including older adults
7.	undertake activities focused on health education, health promotion, disability prevention, as well as primary and secondary prophylaxis
8.	maintain a high level of physical fitness necessary for demonstrating and performing procedures in the scope of kinesitherapy, massage and manual therapy, as well as for using special methods when providing care to individuals with various diseases, dysfunctions, and different types and levels of disability
9.	plan own educational activity and pursue continuous education to improve knowledge
10.	inspire others to learn and to undertake physical activity
11.	communicate with patients and their families in an atmosphere of mutual trust and taking account of patients' needs and rights
12.	communicate and share knowledge with team members
13.	make use of knowledge related to the rationalisation and optimisation of physiotherapy, also when cooperating within a therapeutic team
14.	follow the principles of ethics and bioethics in physiotherapy practice.
SOCIAL COMPETENCE The graduate is able to:	
K1	establish and maintain close and respectful relationships with patients, and show understanding of worldview and cultural differences
K2	practice the physiotherapy profession being aware of the social role of a physiotherapist, also within a local community
K3	promote, propagate and actively create healthy lifestyle and health promotion activities through own physiotherapy practice, and determine the level of fitness necessary for physiotherapy practice
K4	observe patient rights and the principles of professional ethics
K5	identify and acknowledge own limitations, and perform a self-assessment of deficits and educational needs
K6	make use of objective sources of information

K7	follow the principles of colleagueship and cooperation within a team of specialists, including members of other healthcare professions, also in a multicultural and multinational environment
K8	formulate opinions related to different aspects of professional activity
K9	accept responsibility for decisions related to professional practice, including the safety of self and others
DETAILED LEARNING OUTCOMES	
KNOWLEDGE	
	A. BIOMEDICAL BASIS OF PHYSIOTHERAPY The graduate knows and understands:
A.W1	anatomical structure of individual systems of the human body and relationships between their structure and function in health and illness, with particular reference to the musculoskeletal system
A.W2	types of imaging methods, their principles and diagnostic value (x-ray scan, ultrasound, computed tomography, magnetic resonance)
A.W3	anatomical terminology necessary to describe a patient's condition
A.W4	basic physical properties, structure and function of human cells and tissues
A.W5	embryonic development, organogenesis and stages of human embryogenesis and sexual development
A.W6	basic mechanisms governing processes in the human body from childhood to maturity to old age
A.W7	basic metabolic processes at the cellular, organ and systemic level, including hormonal regulation, reproduction and ageing processes as well as their changes resulting from physical exercise or illness
A.W8	basic functions of individual human systems, organs of the musculoskeletal system and sense organs
A.W9	kinesiological mechanisms governing movement and regulation of human metabolic processes and exercise physiology
A.W10	methods for assessing the function of individual organs and systems and their applications in the functional assessment of patients in different clinical areas
A.W11	mechanism of action of pharmacological agents used in the treatment of various diseases and human body systems, including the principles of their administration, limitations and side effects, as well as effects on a patient's physical efficiency to be taken into account when planning the physiotherapy process
A.W12	external physical factors and their influence on the human organism
A.W13	biomechanical principles of the statics of the body and motor function of healthy and ill individuals
A.W14	ergonomics of everyday life and occupation-related activities, with particular reference to the ergonomics of physiotherapy practice
A.W15	basics of postural control training and motor function education
A.W16	mechanisms of development of functional disorders and pathophysiological basis of disease development
A.W17	methods of general health status assessment and symptoms of most common disorders and diseases
A.W18	methods of vital signs assessment in health- or life-threatening emergencies
A.W19	genetic determinants of development of diseases in the human population
A.W20	genetic and phenotype-related determinants of motor skills
A.W21	basics of postural control training and motor function education.
	B. BASIC SCIENCES The graduate knows and understands:
B.W1	psychological and sociological determinants of the social functioning of an individual
B.W2	psychological and social aspects of supportive attitudes and behaviours
B.W3	models of communicating in health care, basic skills related to communication with patients and members of the interdisciplinary therapeutic team

B.W4	principles of motivating patients to adopt healthy behaviours and informing patients about unfavourable prognosis, the significance of verbal and non-verbal communication with patients and the concept of trust in interaction with patients
B.W5	basic methods of psychotherapy
B.W6	basic concepts related to pedagogy and special pedagogy
B.W7	limitations to and determinants of education of individuals with disabilities, ways of coping with pedagogical problems of the disabled, and contemporary tendencies in the rehabilitation of persons with disabilities
B.W8	basic forms and ways of transferring information using educational aids in the scope of teaching physiotherapy, conducting workshops and pursuing professional development
B.W9	principles of practicing the physiotherapy profession and functioning of professional self-governing organisations for physiotherapists
B.W10	legal regulations pertaining to physiotherapy practice, including patient rights, duties of the employer and employee, particularly those pertaining to civil law, labour law, industrial property protection and copyright, as well as civil liability in physiotherapy practice
B.W11	factors determining health and health hazards
B.W12	principles of health education and health promotion, and elements of social policy related to health protection
B.W13	determinants and threats to health, and the scale of problems related to disability in terms of demography and epidemiology
B.W14	principles of demographic analysis and basic concepts related to epidemiological statistics
B.W15	principles of organisation and financing of the healthcare system in the Republic of Poland, and economic determinants of the provision of healthcare services with respect to physiotherapy
B.W16	principles of managing a therapeutic team, and organisation and administration of healthcare entities providing rehabilitation services
B.W17	principles of employing individuals with different levels of disability
B.W18	ethical principles related to modern medical marketing
B.W19	principles of carrying out a basic market analysis for the purposes of designing physiotherapy treatment plans
B.W20	history of physiotherapy and directions of development of professional education, as well as international physiotherapeutic organisations and associations for physiotherapists
B.W21	information technologies and statistical tools used to analyse and present data and to solve problems.
	C. BASICS OF PHYSIOTHERAPY The graduate knows and understands:
C.W1	concepts related to medical rehabilitation, physiotherapy and disability
C.W2	mechanisms of structural and functional disorders caused by disease or injury
C.W3	mechanisms of action and possible side effects of modalities and procedures used in physiotherapy
C.W4	methods for assessing structural and functional disorders caused by disease or injury, diagnostic tools and methods for assessing patient status for the purposes of physiotherapy, methods for assessing the structure and function of a patient's body and their activity in different medical conditions
C.W5	principles of selecting modalities, forms and methods of therapy depending on the type of dysfunction and the patient's age and condition
C.W6	theoretical and methodical fundamentals of the process of learning and teaching motor skills
C.W7	theoretical, methodical and practical fundamentals of kinesitherapy, manual therapy, massage and special methods of physiotherapy
C.W8	indications and contraindications to exercises used in kinesitherapy, manual therapy, massage and special methods of physiotherapy
C.W9	theoretical, methodical and practical fundamentals of physical therapy, balneoclimatology and biological rejuvenation
C.W10	indications and contraindications to procedures used in physical therapy, balneoclimatology and biological rejuvenation

C.W11	principles of selecting various forms of adapted physical activity and therapeutic sports, tourism and recreation in the process of treatment and maintaining physical efficiency of individuals with special needs, including persons with disabilities
C.W12	legal regulations pertaining to the participation of persons with disabilities in disabled sports, including paralympic and special olympic games, as well as to the functioning of organisations devoted to the physical activity of persons with disabilities
C.W13	disability-related risks and limitations to physical training
C.W14	principles of operation and application of medical products in the treatment of patients with different organ diseases and dysfunctions
C.W15	regulations pertaining to the list of medical products specified in provisions based on art. 38 sec. 4 of the act of 12 May 2011 on reimbursement for medications, special-purpose foods and medical products (Dz. U. [Journal of Laws] of 2019, item 784, as amended)
C.W16	indications and contraindications to the use of medical products
C.W17	concepts related to health promotion and preventive physiotherapy.
	D. CLINICAL PHYSIOTHERAPY The graduate knows and understands:
D.W1	aetiology, pathomechanism, symptoms and course of musculoskeletal dysfunctions in the scope of: orthopaedics and traumatology, sports medicine, rheumatology, neurology and neurosurgery, and paediatrics and paediatric neurology, in sufficient detail to enable rational use of physiotherapy modalities
D.W2	principles of diagnosing and general principles and methods of treatment of the most common musculoskeletal dysfunctions in the scope of: orthopaedics and traumatology, sports medicine, rheumatology, neurology and neurosurgery, and paediatrics and paediatric neurology, in sufficient detail to enable rational use of physiotherapy modalities
D.W3	aetiology, pathomechanism, symptoms and course of the most common diseases in the scope of: cardiology and cardiac surgery, pulmonology, surgery, gynaecology and obstetrics, geriatrics, psychiatry, intensive care, oncology and palliative medicine, in sufficient detail to enable rational use of physiotherapy modalities
D.W4	principles of diagnosing and general principles and methods of treatment of the most common diseases in the scope of: cardiology and cardiac surgery, pulmonology, surgery, gynaecology and obstetrics, geriatrics, psychiatry, intensive care, oncology and palliative medicine, in sufficient detail to enable rational use of physiotherapy modalities
D.W5	principles of treatment of the patient: unconscious, after multi-site and multi-organ trauma, with damage to the spine and spinal cord, with damage to upper limb and lower limb, regarding the safe use of physiotherapy methods
D.W6	general principles of medical examination and history taking in cardiology, neurology, orthopaedics and geriatrics
D.W7	principles of interpreting results of additional tests in cardiovascular diagnostics and cardiac physiotherapy, including echocardiographic and ultrasound examination, exercise stress test, clinical assessment of the health status of cardiac patients using different scales, in sufficient detail to enable rational use of physiotherapy modalities
D.W8	results of exercise stress tests in cardiac and pulmonary physiotherapy (cycle ergometer, treadmill running and walking, spiroergometry), classes of heart failure according to the New York Heart Association (NYHA), and values of the metabolic equivalent of task (MET)
D.W9	general principles of history taking and pulmonary examination for the purposes of physiotherapy, as well as major additional, auxiliary and functional tests useful in the management and monitoring of respiratory physiotherapy
D.W10	principles of qualifying patients for surgical procedures; major surgical procedures, including amputations due to vascular disease; minimally invasive surgical procedures
D.W11	methods of clinical examination and additional diagnostics in the scope of gynaecology and obstetrics
D.W12	physiology of the ageing process and the principles of geriatric care and physiotherapy
D.W13	risks related to hospitalisation of older patients

D.W14	specificity of managing and approaching patients with mental diseases
D.W15	principles of managing patients in the following cases: unconsciousness, acute circulatory failure, acute respiratory failure, shock, confirmed sepsis, mechanical ventilation, craniocerebral injury, multiple trauma
D.W16	assumptions and principles of the International Classification of Functioning, Disability and Health (ICF)
	E. SCIENTIFIC RESEARCH METHODOLOGY The graduate knows and understands:
E.W1	research methods and techniques used for ongoing scientific projects
	F. WORK PLACEMENT IN PHYSIOTHERAPY The graduate knows and understands:
F.W1	physical phenomena in the human body caused by external factors
F.W2	theoretical, methodical and practical fundamentals of kinesitherapy and manual therapy, special methods of physiotherapy, ergonomics, physical therapy and therapeutic massage
F.W3	methods of assessing the condition of the human musculoskeletal system used to identify its structural and functional disorders and to implement physiotherapy treatment in musculoskeletal dysfunctions and internal diseases
F.W4	methods of assessing structural and functional disorders caused by disease or injury, and most common patient reactions to illness and pain, in sufficient detail to enable physiotherapy treatment
F.W5	methods of describing and interpreting most common disease entities and syndromes, in sufficient detail to enable rational use of physiotherapy modalities and planning the physical therapy
F.W6	principles of health education, health promotion and preventive healthcare with reference to the phenomenon of disability
F.W7	principles of selecting various forms of adapted physical activity and sports disciplines for persons with disabilities in comprehensive rehabilitation and maintaining physical efficiency of individuals with special needs
F.W8	principles of operation of medical products used in rehabilitation
F.W9	ethical principles observed when working with patients
F.W10	principles of evidence-based physiotherapy
F.W11	physiotherapy standards
F.W12	the role of a physiotherapist and other therapeutic team specialists in the process of comprehensive rehabilitation
F.W13	legal, ethical and methodological aspects of clinical research and the role of a physiotherapist in the research process
F.W14	principles and objectives of health promotion, and the role of a physiotherapist in promoting healthy lifestyle
F.W15	basic concepts related to psychosomatic relationships and methods of improving body awareness
F.W16	tasks of individual bodies of the professional self-government for physiotherapists, and the rights and duties of its members
F.W17	principles of professional ethics in physiotherapy
F.W18	principles of professional liability of a physiotherapist.
SKILLS	
	A. BIOMEDICAL BASICS OF PHYSIOTHERAPY The graduate is able to:
A.U1	identify and find major structures of the human body on anatomical phantoms and models, including elements of the motor system such as osteoarticular elements, muscle groups and individual muscles
A.U2	use palpation to localise selected anatomical elements and their connection to adjacent structures, including bone elements to which muscles and ligaments are attached, as well as anthropometric measurement sites, superficial muscles and tendons, and selected neurovascular bundles

A.U3	determine biochemical parameters and their changes in the course of selected diseases and during physical exercise, in sufficient detail to enable the safe use physiotherapy methods
A.U4	take and interpret the results of measurements of basic cardiovascular function parameters (pulse, arterial blood pressure), blood composition, and static and dynamic parameters of the respiratory system; assess reflexes from all levels of the nervous system, in sufficient detail to enable the safe use physiotherapy methods
A.U5	carry out basic tests of sensory organs and balance
A.U6	carry out tests of exercise capacity, exercise tolerance, fatigue level and overtraining
A.U7	make use of the properties of selected groups of pharmacological agents when providing physiotherapeutic treatment in different diseases
A.U8	evaluate the effect of physical factors on the human body and differentiate between normal and abnormal reactions
A.U9	assess the status of a person's motor system in static and dynamic conditions (general, segmental and local tests) in order to determine its structural and functional disorders
A.U10	carry out a thorough biomechanical analysis of simple and complex human movements in normal conditions and in different motor disorders
A.U11	predict the effects of the application of different mechanical loads onto pathologically changed structures of the human body
A.U12	assess various motoric features
A.U13	assess a person's physical and functional efficiency using currently accepted tests for all age groups
A.U14	carry out a medical interview and analyse the obtained information in sufficient detail to manage the physiotherapy process
A.U15	identify health- and life-threatening situations and give advanced first aid in the event of a health- or life-threatening situation; carry out cardiopulmonary resuscitation of children and adults.
	B. BASIC SCIENCES The graduate is able to:
B.U1	communicate in English at B2+ level of the Common European Framework of Reference for Languages
B.U2	identify and determine, in sufficient detail to enable the safe use physiotherapy methods, psychological problems in individuals with various dysfunctions and of different age, including older adults, and determine their impact on the course and efficiency of physiotherapy
B.U3	implement appropriate forms of therapeutic and educational approach supporting the process of rehabilitation of people with disabilities
B.U4	organise activities related to health education, health promotion and disability prevention
B.U5	carry out screening tests for the purposes of dysfunction and disability prevention
B.U6	estimate the cost of physiotherapy treatment
B.U7	conduct basic market research for the purposes of planning activities related to physiotherapy practice
B.U8	identify major ethical problems related to contemporary medicine and protection of life and health; take account of cultural, religious and ethnic determinants when planning physiotherapy treatment
B.U9	demonstrate motor skills in the scope of selected forms of physical activity (recreation and healthy lifestyle)
B.U10	communicate with adult and paediatric patients and their family using techniques of active listening and empathy expression; talk with patients about their life situation in an atmosphere of trust throughout the entire process of physiotherapy treatment
B.U11	inform a patient about the purpose, course and potential risk of the proposed diagnostic or physiotherapeutic procedures and obtain the patient's informed consent
B.U12	communicate with team members and provide them with constructive feedback and support.
	C. BASICS OF PHYSIOTHERAPY The graduate is able to:

C.U1	take medical history and carry out physical examinations and function tests relevant for physiotherapy, including measurements of the length and circumference of the limbs, joint mobility and muscle strength
C.U2	manage records related to patient status and physiotherapy treatment plan
C.U3	select and manage kinesitherapy focused on improving selected motor skills in healthy individuals and persons with different dysfunctions, and manage goal-oriented physical activities, gait re-education, exercises in the scope of posture education and re-education, and upper limb function re-education
C.U4	instruct patients in taking physical exercise at home, operating medical products and making use of everyday objects for therapeutic purposes; instruct caregivers in providing care to persons with special needs and to children – in order to stimulate their correct development
C.U5	design a medical training session including diversified exercises, adjust individual exercises to patient needs, select appropriate equipment and aids for physical exercises, and adjust the difficulty of exercises
C.U6	select exercises for individuals with different dysfunctions and functional capabilities and instruct them methodically, adjusting the level of difficulty and the intensity of physical exercise
C.U7	demonstrate motor skills necessary to provide instruction and ensure safety when conducting individual exercises
C.U8	plan, select and perform treatment procedures related to kinesitherapy, manual therapy, massage and special methods of physiotherapy
C.U9	operate and make use of equipment for kinesitherapy, physical therapy, massage, manual therapy, and special methods of physiotherapy
C.U10	demonstrate advanced manual skills allowing for the use of appropriate techniques in the scope of kinesitherapy, massage, manual therapy, and special methods of physiotherapy
C.U11	plan, select and manage treatment procedures in the scope of physical therapy, balneoclimatology and biological rejuvenation
C.U12	operate equipment for physical therapy, balneoclimatology and biological rejuvenation
C.U13	instruct individuals with special needs, including persons with disabilities, in various forms of adapted physical activity, sports, tourism and therapeutic recreation
C.U14	instructs persons with disabilities in self-care and locomotion, including independent ambulation and overcoming physical obstacles using an active wheelchair
C.U15	conduct classes related to selected disciplines of disabled sports and demonstrate technical and tactical elements of selected disciplines of disabled sports
C.U16	selected medical products adequate for a given dysfunction and patient needs at every stage of the physiotherapy process, and instruct patients in the use of those products
C.U17	undertake activities promoting healthy lifestyle and design a preventing healthcare plan depending on a patient's age, sex, health status and living conditions, with a focus on physical activity.
	D. CLINICAL PHYSIOTHERAPY The graduate is able to:
D.U1	carry out detailed examination for the purposes of physiotherapy and function tests of the motor system, and record and interpret their results
D.U2	carry out a biomechanical analysis of simple and complex movements of a human body in normal conditions and in musculoskeletal dysfunctions
D.U3	assess the status of a person's motor system in static and dynamic conditions (general, segmental and local tests), carry out gait analysis and interpret its results
D.U4	select – depending on a patient's clinical and functional condition – and carry out physiotherapy procedures for patients with conservatively or surgically treated soft tissue damage within the motor system, patients with conservatively or surgically treated limb injury (contusions, sprains, dislocations, fractures), patients with spinal injury without paralysis, and patients with stable and unstable spinal fractures
D.U5	select – depending on a patient's clinical and functional condition – and carry out physiotherapy procedures for patients after planned (pre- and postoperative management) and traumatic amputation;

	instruct patients in walking with a prosthetic leg; manage patients after upper limb amputation, including instruction in the use of prostheses
D.U6.	select – depending on a patient's clinical and functional condition – and carry out pre- and postoperative physiotherapy treatment of patients after reconstructive orthopaedic surgeries, including arthroscopy and joint replacement
D.U7	instruct patients or their caregivers in physical exercise and medical training at home, operating medical products and making use of everyday objects for therapeutic purposes
D.U8	carry out functional tests useful in rheumatology, such as assessment of joint damage or deformation, hand function, and locomotion in patients with rheumatic disorders
D.U9	plan, select – depending on a patient's clinical and functional condition – and carry out physiotherapy procedures for patients with rheumatic diseases, diseases of muscle attachment sites, degenerative and proliferative joint lesions, limited range of motion or nonarthritic pain syndromes of rheumatic origin
D.U10	manages the verticalisation and gait education of patients with rheumatic diseases, as well as rehabilitation of hand function in rheumatic diseases
D.U11	instruct patients with rheumatic diseases in taking physical exercise at home and operating medical products, including devices for improving hand grasp
D.U12	carry out neurological tests for the purposes of physiotherapy and functional tests applicable in neurological physiotherapy, including analysis of muscle tension, clinical assessment of spasticity, and assessment of body function and activity using clinical scales; interpret most common auxiliary tests (imaging and electrophysiological)
D.U13	plan, select – depending on a patient's clinical and functional condition – and carry out physiotherapy procedures for patients with symptoms of injury to the brain stem, cerebellum, and telencephalon, with particular reference to stroke, parkinsonism, and demyelinating diseases, as well as for patients with spinal fracture with paralysis; manage procedures for alleviating trophic and excretory disorders, verticalisation, gait education and wheelchair skills training for persons with spinal injury
D.U14	plan, select – depending on a patient's clinical and functional condition – and carry out physiotherapy procedures for patients with peripheral nerve damage, polyneuropathy, diseases of neuromuscular origin, diseases of primary muscular origin, and various pain syndromes
D.U15	position patients in bed and carry out bedside kinesitherapy of patients with nervous system injury; manage verticalisation, gait education and upper limb movement re-education in patients after stroke
D.U16	instruct patients with neurological diseases in taking physical exercise at home, operating medical products and making use of everyday objects for therapeutic purposes
D.U17	carry out a medical interview and collect basic information concerning a child's development and health status
D.U18	assess a child's psychomotor development
D.U19	assess spontaneous activity in newborns and infants
D.U20	assess the level of a child's functional capacity in relation to motor skills and communication skills using relevant scales
D.U21	perform clinical assessment of increased or reduced muscle tension in a child, including assessment of spasticity and stiffness
D.U22	perform clinical assessment of body posture, including the use of Bunnell scoliometer, and postural assessment using reference points and biostereometry, and interpret the results of those tests
D.U23	use x-ray images to measure the Cobb angle, measure the vertebral rotation angle using any of the accepted methods, and assess skeletal age using the Risser classification, as well as interpret the results of those tests for the purposes of implementing appropriate physiotherapy treatment of scoliosis
D.U24	plan, select – depending on a patient's clinical and functional condition – and carry out physiotherapy procedures for children and adolescents with musculoskeletal diseases, such as: congenital disorders, postural defects, avascular necrosis
D.U25	plan, select – depending on a patient's clinical and functional condition – and carry out pre- and postoperative physiotherapy procedures for children undergoing surgical treatment
D.U26.	plan, select – depending on a patient's clinical and functional condition – and carry out physiotherapy procedures for children and adolescents with motor disorders of central nervous origin, cerebral palsy,

	neural tube defects, neuromuscular diseases, neonatal plexus and peripheral nerve damage, neurogenic and myogenic muscle atrophy (atrophies and dystrophies)
D.U27	instruct children's caregivers in motor rehabilitation; instruct children and their caregivers in taking physical exercise at home, operating medical products and making use of everyday objects for therapeutic purposes
D.U28	perform basic functional tests and measurements, following safety measures, including pulse and blood pressure measurement, the six minute walk test, the get up and go test, a treadmill stress test using the Bruce protocol and the modified Naughton protocol, and a cycle ergometer exercise test
D.U29	plan, select – depending on a patient's clinical and functional condition – and carry out physiotherapy procedures for patients with heart failure, hypertension, ischaemic heart disease, arrhythmias, congenital heart defects, and after myocardial infarction
D.U30	plan, select – depending on a patient's clinical and functional condition – and carry out physiotherapy procedures for patients qualified for heart surgery, after cardiosurgical interventions, with a cardiac pacemaker, and after treatment using invasive cardiology methods
D.U31	instruct patients in breathing exercises and relaxation techniques in the scope of cardiac physiotherapy
D.U32	instruct a patient with cardiovascular disease in home exercise and physical activity as secondary prevention
D.U33	perform functional tests of the respiratory system, including spirometry, and interpret the results of spirometry, exercise stress tests and gasometry
D.U34	plan, select – depending on a patient's clinical and functional condition – and coordinate exercises in different respiratory diseases (acute and chronic), diseases characterised by restrictive disorders, and diseases characterised by obstructive disorders
D.U35	carry out procedures in the scope of respiratory physiotherapy in different pulmonary diseases, conditions caused by chest injury, conditions resulting from chest surgery, and after lung transplantation
D.U36	instruct patients with respiratory diseases in taking physical exercises at home and making use of various forms of secondary prevention
D.U37	plan, select – depending on a patient's clinical and functional condition – and carry out physiotherapy procedures for patients with functional and organic peripheral vascular diseases and patients after amputation due to vascular disease
D.U38	implement strategies for early mobilisation of patients after abdominal or thoracic surgery, carry out physiotherapy procedures for lung expansion and facilitating bronchial clearance; instruct patients in the prevention of early and late postoperative complications and provide recommendations related to postoperative outpatient physiotherapy
D.U39	make use of the International Classification of Functioning, Disability and Health (ICF)
D.U40	plan, select and carry out physiotherapy procedures after childbirth with the aim of eliminating negative symptoms, particularly within the circulatory, osteoarticular and muscular systems
D.U41	instruct pregnant women in exercises preparing for childbirth and helpful in the postpartum period
D.U42	carry out physiotherapy procedures in patients with urinary incontinence and instruct them in doing exercises at home
D.U43	plan and select circulatory and respiratory exercises for children and adolescents – depending on a patient's clinical and functional condition – and instruct children's caregivers and adolescents in doing those exercises at home
D.U44	perform comprehensive geriatric assessment and interpret its results
D.U45	selected and carry out procedures in the scope of geriatric physiotherapy and instruct older adults in taking physical exercise at home and making use of different forms of recreation
D.U46	plan, select – depending on a patient's clinical and functional condition – and carry out physiotherapy procedures for women after mastectomy, including in case of lymphoedema and upper limb function impairment
D.U47	follow the principles of communication with patients and other therapeutic team members
D.U48	implement procedures aiming at improving the quality of life of patients, including terminal patients, using rehabilitation equipment

D.U49	plan, select and modify rehabilitation programs for patients with different motor dysfunctions and internal diseases, depending on their clinical, functional and mental (cognitive and emotional) condition, their needs and the needs of de facto caregivers.
	E. SCIENTIFIC RESEARCH METHODOLOGY The graduate is able to:
E.U1	plan a research study and discuss its objectives and expected results
E.U2	interpret a research study and analyse it in relation to the current state of knowledge
E.U3	make use of national and international specialist scientific literature
E.U4	carry out a research study, interpret and record its results
E.U5	present the results of a research study
	F. WORK PLACEMENT IN PHYSIOTHERAPY The graduate is able to:
F.U1	conduct tests, interpret their results and perform functional tests necessary to select physiotherapy measures, perform treatments and apply basic therapeutic methods
F.U2	carry out procedures in the scope of kinesitherapy, manual therapy, physical therapy and therapeutic massage, without assistance
F.U3	design, verify and modify rehabilitation programs for persons with different dysfunctions of the motor system as well as other organs and systems, adjusting them to their clinical and functional condition and to the objectives of comprehensive rehabilitation
F.U4	demonstrate advanced motor skills in relation to selected forms of physical activity
F.U5	select medical products relevant to the type of dysfunction and to patient needs at every stage of the rehabilitation process
F.U6	make use of medical products and instruct patients in their operation
F.U7	make use of and operate devices and equipment for physiotherapy and for functional tests, and prepare the workstation
F.U8	work in an interdisciplinary team providing continuity of health care over a patient; communicate with other team members, as well as patients and their families
F.U9	fill out patient records with data, information obtained, and description of administered treatments and therapeutic procedures
F.U10	initiate, organise and carry out activities focused on health education, health promotion and disability prevention
F.U11	determine the scope of own professional competence and cooperate with members of other healthcare professions
F.U12	independently complete assignments, and organise and take responsibility for own work
F.U13	work in a team and take responsibility for participating in decision-making processes
F.U14	actively participate in the activity of a therapeutic team
F.U15	actively participate in discussions concerning professional issues, following the principles of ethics
F.U16	follow the principles of professional deontology, including the ethics of the physiotherapy profession
F.U17	observe patient rights
F.U18	establish relationships with patients and colleagues based on mutual trust and respect

Description of the process leading to obtaining the learning outcomes

Part B) of the study programme

Faculty offering the field of study:	Faculty of Health Sciences
Field of study:	Physiotherapy
Level of qualification:	long-cycle studies
Level in the Polish Qualifications Framework:	level 7
Degree profile:	general academic
Association of the field of study with scientific or artistic discipline(s) to which the learning outcomes refer:	Discipline: health sciences (100%) **Main discipline:** health sciences
Mode of study:	full-time
Number of semesters:	10
Number of ECTS credits required to complete a programme at a given level:	300
Total number of didactic hours:	5267
Professional title awarded to graduates:	magister
Indication of the relation of the study programme to the NCU mission and strategy:	- providing students with the opportunity to obtain the highest level of education and comprehensive development; - ensuring a modern material base, providing very good conditions for studying and research work corresponding to high world standards; - issuing diplomas of graduation enjoying the highest recognition by employers.

Courses/group of course with expected learning outcomes

Groups of courses	Course	Expected learning outcomes	Forms and methods of training which ensure the achievement of learning outcomes	Methods for the verification and assessment of the learning outcomes achieved by the student
MODULE A. BIOMEDICAL	Anatomy	A.W1, A.W3, A.W4, A.W13, A.U1, AU2, E.U3, K5, K6	informative lecture (conventional), expository methods	written colloquium, oral colloquium, extended observation, written

BASICS OF PHYSIOTHERAPY				examination, practical examination
	Biochemistry			extended observation, written credit, practical credit
	Medical Biology	A.W4, A.W5, A.W6, A.W7, A.U8, E.U3, K5, K6	traditional lecture supported by multimedia techniques, discussion, microscopic observation, discussion, practical exercises, bookwork	written credit, extended observation
	Biophysics	A.W12, A.U8, E.U3, K5, K6	informative lecture, problem-based lecture, expository methods: demonstration, didactic discussion, theoretical calculations	written colloquium, extended observation
	Genetics	A.W7, A.W20, A.W21, A.U12, E.U3, K5, K6	traditional lecture supported by multimedia techniques, interactive lecture, introductory methods, multimedia presentation, bookwork - discussion	written credit, extended observation
	Pharmacology in Physiotherapy	A.W6, A.W11, A.U7, E.U3, K5, K6	informative lecture, problem-based lecture, didactic discussion	written credit, extended observation
	General Pathology	A.W6, A.W7, A.W17, A.W18, A.U8, E.U3, K5, K6	informative lecture, didactic discussion, case analysis, multimedia presentations, didactic discussion, film	oral credit, written credit, extended observation
	First Aid	A.W19, A.W18, A.U15, K5, K6	informative lecture, problem-based lecture, didactic discussion, debate, case study	oral credit, written credit, extended observation
	General Physiology	A.W4, A.W6, A.W8, A.U4, AU5, E.U3, K5, K6	informative lecture(conventional), problem-based lecture with multimedia presentation	test examination, colloquium, extended observation
	Neuroanatomy and Neurophysiology	AW1, AW3, AW8, A.W10, A.W15, A. W.16, A.U.4, Au5, E.U9, E.U3, K5, K6	informative lecture, didactic discussion, case analysis, practical exercises	written credit, extended observation
	Physiology of Physical Exercise	A.W4, A.W7, A.W8, A.W9, A.U3, A.U4, A.U5, A.U6, A.U11, E.U2, E.U3, K5, K6	basic lecture illustrated by practical reference to the issues discussed, theoretical introduction of the issue,	written credit, extended observation

			execution technique, analysis and discussion of the results obtained	
	Applied Biomechanics and Ergonomics	A.W12, A.W13, A.W14, A.W15, A.U10, A.U11, E.U2, E.U3, K5, K6	informative lecture with multimedia presentation, didactic discussion, solving problems and tasks, measurements - simple, with tapes and dynamometers, multimedia presentation	written examination, colloquium, extended observation, report
	Clinical Biomechanics	A.W13, A.W15, A.W16, A.U9, E.U2, E.U3, A.U10, A.U11, K5, K6	informative lecture, problem-based lecture, didactic discussion, tests using diagnostic equipment, analysis and discussion of the results, case study, practical exercises	written examination, colloquium, extended observation, report
	Surface Anatomy	A.W1, A.W2, A.W3, A.U2, E.U3, K1, K4, K5, K6	informative lecture (conventional), expository methods	written colloquium, oral colloquium, extended observation, written examination, practical examination
	X-Ray Anatomy	A.W1, A.W2, A.W3, A.U2, E.U3, K1, K4, K5, K6	informative lecture (conventional), expository methods	written colloquium, oral colloquium, extended observation, written examination, practical examination
	Clinical Exercise Physiology and Physiology Diagnostics	A.W8, A.W9, A.W10, A.W18, A.U4, A.U5, A.U12, A.U13, A.U14, E.U3, K5, K6	informative lecture, didactic discussion, tests using diagnostic equipment, case methods, brainstorming, practical classes	written examination, practical examination, outline, extended observation
MODULE B. GENERAL SCIENCES	Physical Education	B.W11, B.U4, B.U9, K3, K5	presentation methods: demonstration with explanation, film, verbal methods: description, clarification, explanation, movement teaching methods: analytical, synthetic and global, methods of teaching technique in sports games: repetition, methods used for the development of motor skills: repetition, circuit and stationary, forms of exercise: team, frontal, individual, forms of	motor skills test, extended observation

			teaching sports games: strict, fragments of the game, school game	
	Clinical Communication	B.W3, B.W4, B.W8, B.U10, B.U11, B.U12, E.U3, K1, K7, K8	informative lecture, problem-based lecture, conversational lecture	written credit
	Philosophy and Bioethics	B. W2, B.W1, B.U8, K1, K4, K6, K8	informative lecture, problem-based lecture	written credit: test - closed (multiple-choice) and open questions
	History of Physiotherapy	B.W20, E.U3, K6	informative lecture, problem-based lecture	written credit
	Public Health	B.W11, B.W12, B.W13, B.U4, B.U7, E.U3, K3, K6	informative lecture, problem-based lecture, multimedia presentations, didactic discussion	credit with a grade, colloquium, extended observation
	Demography and Epidemiology	B.W13, B.W14, B.U4, B.U5, K5, K6	informative lecture, problem-based lecture, multimedia presentations, didactic discussion	colloquium, extended observation
	Foreign Language	B.U1, E.U3, K5,	analysis of texts: reading, translation, pronunciation, presentations, essays, conversation, listenings	examination and written credit
	Principles of Law	B.W10, B.W16, B.W17, B.U7, E.U3, K4, K9,	informative lecture, problem-based lecture, case study	single-choice test
	Pedagogy	B.W6, B.W7, B.U3, E.U3, K2, K5	informative lecture, problem-based lecture, conversational lecture, presentation, didactic discussion problem-based method, elements of the workshop method	written credit
	General Sociology and Sociology of Disability	B.W1, B.W2, B.W4, B.U3, B.U8, E.U2, E.U3, K2, K5, K6	informative lecture, conversational lecture, photography method, groupwork - brainstorming, discussion, idea exchange, expository methods: demonstration	written credit, review, idea exchange
	Clinical Psychology and Psychotherapy	B.W1, B.W2, B.W3, B.U2, B.U3, B.U10, K1, K4	informative lecture, didactic discussion, demonstration	written credit
	General Psychology	B.W1, B.W2, B.W3, B.W5, B.U2, B.U3, B.U10, B.U.12, K1, K4	informative lecture, didactic discussion, demonstration	written credit
	Didactics in Physiotherapy	B.W8, B.W9, B.U2, B.U3, B.U4, E.U2, E.U3, K2, K3, K5, K6, K9	informative lecture, didactic discussion, conversational lecture, Osborne’s	credit with a grade, outline, extended observation

			method - brainstorming, creative activation methods, problem-solving, education on how the solution works in practice	
	Health Care Economics and Systems	B.W15, B.W19, B.U6, B.U7, E.U2, E.U3, E.U4, K2, K6	informative lecture, problem-based lecture, case analysis	oral presentation, multiple-choice test
	Management and Marketing	B.W16, B.W17, B.W19, B.U6, B.U7, E.U2, E.U3, E.U4, K6	informative lecture, conversational lecture, work in a group project	written credit
MODULE C. BASICS OF PHYSIOTHERAPY	Motor Skills Training and Movement Education Methodology	C.W1, C.W6, C.U3, C.U4, C.U6, C.U7, C.U17, K3	lectures: informative, problem-based, conversational, didactic discussion, case analysis, simulations, film, demonstration, reproductive, independent, creative	written credit, practical credit, portfolio, extended observation, observation and evaluation by peers
	Health Promotion and Preventive Physiotherapy	C.W17, C.U17, K3, K9	informative lecture, problem-based lecture, didactic discussion, case analysis, work on a project	written credit, practical credit, extended observation
	General Physiotherapy	C.W1, C.W3, C.W4, C.U1, C.U2, C.U6, C.U9, E.U3, K5, K6	informative lecture, didactic discussion, multimedia presentations, Oxford debate	written examination, test of practical knowledge, short entrance tests, outline, extended observation
	Kinesitherapy	C.W1, C.W2, C.W3, C.W4, C.W5, C.W7, C.W8, C.U1, C.U2, C.U3, C.U4, C.U5, C.U6, C.U7, C.U8, C.U9, E.U3, K5, K6, K9	informative lecture, problem-based lecture, didactic discussion, case analysis, simulation methods (case study; simulated patient), computer-assisted learning, expository methods: film, demonstration	oral examination, written examination, practical examination, extended observation
	Therapeutic Massage	C.W1, C.W3, C.W5, C.W7, C.W8, F.W10 C.U2, C.U8, C.U9, C.U10, E.U2, E.U3, K5, K6, K9	informative lecture, problem-based lecture, expository methods: demonstration, didactic discussion, case analysis, simulation methods (case study; simulated patient)	oral examination, written examination, practical examination, extended observation
	Physical Therapy	C.W1, C.W3, C.W5, C.W9, C.W10, C.U2, C.U9, C.U11, C.U12, E.U3, K5, K6, K9	practical exercises, didactic discussion, case analysis, multimedia presentations	written examination, practical examination, written colloquium,

				practical colloquium, extended observation
	Special Massage	C.W1, C.W3, C.W5, C.W7, C.W8, F.W10, C.U2, C.U8, C.U9, C.U10, E.U2, E.U3, K5, K6, K9	informative lecture, problem-based lecture, expository methods: demonstration, didactic discussion, case analysis, simulation methods (case study; simulated patient)	oral examination, written examination, practical examination, extended observation
	Biological Rejuvenation	C.W1, C.W3, C.W9, C.W10, C.U2, C.U9, C.U10, C.U11, C.U12, E.U2, E.U3, K5, K6	informative lecture, problem-based lecture, demonstration, simulation methods (case study)	written examination, practical examination, extended observation
	Special Methods in Physiotherapy	C.W1, C.W2, C.W3, C.W4, C.W5, C.W7, C.W8, C.U1, C.U2, C.U3, C.U4, C.U5, C.U6, C.U7, C.U8, C.U9, C.U10, E.U3, K5, K6, K9	informative lecture, problem-based lecture, demonstration, simulation methods (case study)	written examination, practical examination, extended observation
	Manual Therapy	C.W1, C.W2, C.W3, C.W4, C.W5, C.W7, C.W8, F.W10, C.U1, C.U2, C.U8, C.U9, C.U10, E.U2, E.U3, K5, K6, K9	informative lecture, problem-based lecture, demonstration, simulation methods (case study)	written examination, practical examination, extended observation
	Medical Products	C.W1, C.W2, C.W14, C.W15, C.W16, F.W10, C.U16, E.U2, E.U3, K5, K6	informative lecture, demonstration, practical exercises	written credit, oral credit
	Disabled Sport	C.W1, C.W11, C.W12, C.W13, F.W10, C.U3, C.U4, C.U5, C.U6, C.U7, C.U13, C.U14, C.U15, C.U17, E.U2, E.U3, K3, K6, K9	informative lecture, problem-based lecture, conversational lecture, didactic discussion, case analysis, simulation, film, demonstration, methods: reconstructive, self-empowering, creative	oral credit, extended observation
	Balneoclimatology	C.W3, C.W5, C.W9, C.W10, F.W10, C.U9, C.U11, C.U12, E.U2, E.U3, K5, K6	informative lecture, problem-based lecture, expository methods: demonstration, didactic discussion, clinical case analysis	test, practical credit, extended observation
	Adapted Physical Activity	C.W1, C.W11, F.W10, C.U3, C.U4, C.U5, C.U6, C.U7, C.U13, C.U14, C.U15, K3, K6, K9	informative lecture, problem-based lecture, conversational lecture, didactic discussion, case analysis,	written examination, extended observation, theoretical colloquium, practical colloquium, presentation

			symulacje, film, demonstration, methods: reconstructive, self-empowering, creative	
MODULE D. CLINICAL PHYSIOTHERAPY	Clinical Basics of Physiotherapy in Neurology	D.W1, D.W2, D.W5, D.W6, D.U1, D.U12, D.U39, D.U47, E.U3, K1, K5, K6, K7	informative lecture, problem-based lecture, expository methods: demonstration didactic discussion, case analysis	written credit, extended observation
	Clinical Basics of Physiotherapy in Neurosurgery	D.W1, D.W2, D.W5, D.W6, D.U1, D.U12, D.U39, D.U47, E.U3, K1, K5, K6, K7	informative lecture, problem-based lecture, expository methods: demonstration didactic discussion, case analysis	written credit, extended observation
	Clinical Basics of Physiotherapy in Orthopaedics	D.W1, D.W2, D.W5, D.W6, D.W16, D.U1, D.U39, D.U47, E.U2, E.U3, K1, K5, K6, K7	informative lecture, problem-based lecture, expository methods: demonstration didactic discussion, case analysis	written credit, extended observation
	Clinical Basics of Physiotherapy in Traumatology and Sports Medicine	D.W1, D.W2, D.W5, D.W6, D.W16, D.U1, D.U39, D.U47, E.U2, E.U3, K1, K5, K6, K7	informative lecture, problem-based lecture, expository methods: demonstration didactic discussion, case analysis	written credit, extended observation
	Clinical Basics of Physiotherapy in Rheumatology	D.W1, D.W2, D.U1, D.U8, D.U39,D.U47, E.U2, E.U3, K1, K5, K6, K7	informative lecture, problem-based lecture, expository methods: demonstration didactic discussion, case analysis	written credit, extended observation
	Clinical Basics of Physiotherapy in Paediatrics and Paediatric Neurology	D.W1, D.W2, D.U17, D.U18, D.U19, D.U20, D.U47, E.U3, K1, K5, K6, K7	informative lecture, problem-based lecture, expository methods: demonstration didactic discussion, case analysis	written credit, extended observation
	Clinical Basics of Physiotherapy in Geriatrics	D.W3, D.W4, D.W6, , D.W12, D.W13, D.W16, F.W10, D.U1, D.U44, E.U2, E.U3, K5, K6, K7	informative lecture, problem-based lecture, expository methods: demonstration didactic discussion, case analysis	written credit, extended observation
	Clinical Basics of Physiotherapy in Cardiology and Cardiac Surgery	D.W3, D.W4, D.W6, D.W7, D.W8, D.W10, D.U28, D.U39, D.U47, E.U3, K1, K5, K6, K7	informative lecture, problem-based lecture, expository methods: demonstration didactic discussion, case analysis	written credit, extended observation

	Clinical Basics of Physiotherapy in Pulmonology	D.W3, D.W4, D.W8, D.W9, D.U33, D.U47, E.U2, E.U3, K1, K5, K6, K7	informative lecture, problem-based lecture, expository methods: demonstration didactic discussion, case analysis	written credit, extended observation
	Clinical Basics of Physiotherapy in Surgery	D.W3, D.W4, D.W10, D.U1, D.U39, D.U47, E.U3, K1, K5, K6, K7	informative lecture, problem-based lecture, expository methods: demonstration didactic discussion, case analysis	written credit, extended observation
	Clinical Basics of Physiotherapy in Gynaecology and Obstetrics	D.W3, D.W4, D.W11, D.U1, D.U39, D.U47, E.U3, K1, K5, K6, K7	informative lecture, problem-based lecture, expository methods: demonstration didactic discussion, case analysis	written credit, extended observation
	Clinical Basics of Physiotherapy in Inensive Care	D.W3, D.W4, D.W5, D.W7, D.W9, D.W15, D.U1, D.U39, D.U47, E.U3, K1, K5, K6, K7	informative lecture, problem-based lecture, expository methods: demonstration didactic discussion, case analysis	written credit, extended observation
	Clinical Basics of Physiotherapy in Psychiatry	D.W3, D.W4, D.W14, D.U39, D.U47, E.U2, E.U3, K1, K3, K4, K5, K6	informative lecture, problem-based lecture, expository methods: demonstration didactic discussion, case analysis	written credit, extended observation
	Clinical Basics of Physiotherapy in Oncology	D.W3, D.W4, D.U1, D.U47, E.U3, K1, K5, K6, K7	informative lecture, problem-based lecture, expository methods: demonstration didactic discussion, case analysis	written credit, extended observation
	Clinical Basics of Physiotherapy in Palliative Medicine	D.W3, D.W4, D.U1, D.U47, D.U48, E.U2, E.U3, K1, K5, K6, K7	informative lecture, problem-based lecture, expository methods: demonstration didactic discussion, case analysis	written credit, extended observation
	Clinical Physiotherapy in Orthopaedics, Traumatology and Sports Medicine	D.W1, D.W2, D.W5, F.W10, D.U1, D.U2, D.U3, D.U6, D.U47, E.U2, E.U3, K1, K5, K6, K7, K9	informative lecture, problem-based lecture, expository methods: demonstration, didactic discussion, case analysis	oral credit, written credit, practical credit, extended observation
	Clinical Physiotherapy in Paediatrics	D.W1, D.W2, D.W16, F.W10, D.U17, D.U18, D.U19, D.U20, D.U21, D.U24, D.U26, D.U27,	informative lecture, problem-based lecture, expository methods: demonstration, didactic discussion, case analysis	oral credit, written credit, practical credit, extended observation

		D.U39, D.U47, E.U2, E.U3, K1, K2, K3, K4, K6, K7, K9		
	Clinical Physiotherapy in Rheumatology	D.W1, D.W2, F.W10, D.U1, D.U8, D.U9, D.U10, D.U11, D.U39, D.U47, E.U2, E.U3, K1, K4, K5, K6, K7,	informative lecture, problem-based lecture, expository methods: demonstration, didactic discussion case analysis	oral credit, written credit, practical credit, extended observation
	Clinical Physiotherapy in Neurology	D.W1, D.W2, D.W5, D.W16, F.W10, D.U1, D.U12, D.U13, D.U14, D.U15, D.U16, D.U39, D.U47, E.U2, E.U3, K1, K2, K4, K6, K9	informative lecture, problem-based lecture, expository methods: demonstration, didactic discussion, case analysis	oral credit, written credit, practical credit, extended observation
	Clinical Physiotherapy in Neurosurgery	D.W1, D.W2, D.W5, D.W16, F.W10, D.U1, D.U12, D.U13, D.U14, D.U15, D.U16, D.U39, D.U47, E.U2, E.U3, K1, K2, K4, K6, K9	informative lecture, problem-based lecture, expository methods: demonstration, didactic discussion, case analysis	oral credit, written credit, practical credit, extended observation
	Clinical Physiotherapy in Developmental Age	D.W1, D.W2, D.W5, D.W16, F.W10, D.U1, D.U12, D.U13, D.U14, D.U15, D.U16, D.U39, D.U47, E.U2, E.U3, K1, K2, K4, K6, K9	informative lecture, problem-based lecture, expository methods: demonstration, didactic discussion, case analysis	oral credit, written credit, practical credit, extended observation
	Clinical Physiotherapy in Psychiatry	D.W3, D.W4, D.W14, D.W16, F.W10, D.U39, D.U47, D.U49, E.U2, E.U3, K1, K3, K4, K5, K6	informative lecture, problem-based lecture, expository methods: demonstration, didactic discussion, case analysis	oral credit, written credit, practical credit, extended observation
	Clinical Physiotherapy in Cardiology and Cardiac Surgery	D.W3, D.W4, D.W7, D.W8, F.W10, D.U28, D.U29, D.U30, D.U31, D.U32, D.U39, D.U47, E.U2, E.U3, K1, K2, K3, K4, K6, K7, K9	informative lecture, problem-based lecture, expository methods: demonstration, didactic discussion, case analysis	oral credit, written credit, practical credit, extended observation
	Clinical Physiotherapy in Surgery	D.W3, D.W4, D.W16, F.W10, D.U5, D.U6, D.U37, D.U38, D.U39, D.U47, E.U3, K1, K2, K4, K6, K7	informative lecture, problem-based lecture, expository methods: demonstration, didactic discussion, case analysis	oral credit, written credit, practical credit, extended observation

	Clinical Physiotherapy in Palliative Medicine	D.W3, D.W4, D.W16, F.W10, D.U7, D.U39, D.U47, D.U48, D.U49, E.U2, E.U3, K1, K2, K3, K4, K6, K7, K9	informative lecture, problem-based lecture, expository methods: demonstration, didactic discussion, case analysis	oral credit, written credit, practical credit, extended observation
	Clinical Physiotherapy in Oncology	D.W3, D.W4, D.W16, F.W10, D.U7, D.U39, D.U46, D.U47, D.U48, E.U2, E.U3, K1, K2, K3, K4, K6, K7, K9	informative lecture, problem-based lecture, expository methods: demonstration, didactic discussion, case analysis	oral credit, written credit, practical credit, extended observation
	Clinical Physiotherapy in Pulmonology	D.W3, D.W4, D.W8, D.W9, D.W16, D.U33, D.U34, D.U35, D.U36, D.U39, D.U47, E.U2, E.U3, K1, K2, K3, K4, K6, K7, K9	informative lecture, problem-based lecture, expository methods: demonstration, didactic discussion, case analysis	oral credit, written credit, practical credit, extended observation
	Clinical Physiotherapy in Gynaecology and Obstetrics	D.W3, D.W4, D.W11, D.W16, F.W10, D.U39, D.U40, D.U41, D.U42, D.U47, E.U2, E.U3, K1, K2, K3, K4, K6, K7, K9	informative lecture, problem-based lecture, expository methods: demonstration, didactic discussion, case analysis	oral credit, written credit, practical credit,, extended observation
	Clinical Physiotherapy in Geriatrics	D.W3, D.W4, D.W6, D.W12, D.W13, D.W16, F.W10, D.U1, D.U7, D.U28, D.U39, D.U42, D.U44, D.U45, D.U47, E.U2, E.U3, K4, K5, K6, K7, K9	informative lecture, problem-based lecture, expository methods: demonstration, didactic discussion, case analysis	oral credit, written credit, practical credit,, extended observation
	Functional Diagnostics in Musculoskeletal Disorders	D.W1, D.W2, D.W6, F.W10, D.U1, D.U3, D.U12, E.U2, E.U3, K1, K4, K5, K6	informative lecture, didactic discussion, case methods - brainstorming, practical classes	written examination, practical examination, outline, extended observation
	Functional Diagnostics in Developmental Age	D.W1, D.W2, F.W10, D.U17, D.U18, D.U19, D.U20, D.U21, D.U39, E.U2, E.U3, K1, K4, K5, K6	informative lecture, didactic discussion, case methods - brainstorming, practical classes	written examination, practical examination, outline, extended observation
	Functional Diagnostics in Internal Diseases	D.W3, D.W4, D.W6, D.W7, D.W8, D.W9, D.W16, F.W10, D.U28, D.U39, E.U2, E.U3, K1, K4, K5, K6	informative lecture, didactic discussion, case methods - brainstorming, practical classes	written examination, practical examination, outline, extended observation
	Physiotherapy Planning in Musculoskeletal Disorders	D.W1, D.W2, D.W5, D.W6, F.W10, D.U4, D.U5, D.U6, D.U9,	informative lecture, didactic discussion, case methods - brainstorming, practical classes	written examination, practical examination,

		D.U13, D.U14, E.U2, E.U3, K1, K2, K6, K9		outline, extended observation
	Physiotherapy Planning in Developmental Age	D.W1, D.W2, D.W16, F.W10, D.U24,D.U25, D.U26, E.U2, E.U3, K1, K2, K6, K9	informative lecture, didactic discussion, case methods - brainstorming, practical classes	written examination, practical examination, outline, extended observation
	Physiotherapy Planning in Internal Diseases	D.W3, D.W4, D.W8, D.W9, D.W16, F.W10, D.U29, D.U30, D.U31, D.U32, D.U37, D.U49, E.U2, E.U3, K1, K2, K6, K9	informative lecture, didactic discussion, case methods - brainstorming, practical classes	written examination, practical examination, outline, extended observation
MODULE E. SCIENTIFIC RESEARCH METHODOLOGY	Master's Thesis Seminar	E.W1, F.W10, E.U1, E.U2, E.U3, E.U4, E.U5, K5, K6, K8	didactic discussion, analysis of literature	evaluation of the diploma thesis by the supervisor and passing of the diploma examination
	Scientific Research Methodology	E.W1, E.U1, E.U2, E.U3, E.U4, E.U5, K5, K6, K8	informative lecture and problem-based lecture with multimedia presentation, didactic discussion	colloquium, extended observation
	Evidence-Based Physiotherapy	E.W1, E.U1, E.U2, E.U3, E.U4, E.U5, K5, K6, K8	informative lecture, problem-based lecture, multimedia presentations, didactic discussion	colloquium, extended observation
MODULE F. WORK PLACEMENT		F.W1 – F. W18 F. U1 – F.U18 K.1 – K.9	didactic discussion, practical classes	practical credit
MODULE G. UNIVERSITY'S EXCLUSIVE OFFER	Management of the Physiotherapy Profession	B.W9, B.W10, B.W12, B.W15, B.W16, B.W21, B.U4, B.U6, B.U7, B.U12, E.U3, K2, K5, K8	informative lecture, problem-based lecture, work on a group project	colloquium, extended observation, written credit
	Basics of Occupational Therapy	B.W2, B.W3, C.W5, B.U2, B.U3, B.U4, C.U4, K1, K2, K5	informative lecture, problem-based lecture, expository methods: demonstration, didactic discussion	test, practical credit
	Therapeutic Education	B.W2, B.W3, B.W6, B.W7, B.W8, B.W12, B.U3, B.U4, B.U10, E.U2, E.U3, E.U4, K1, K2, K6, K7	informative lecture, didactic discussion	colloquium, extended observation, written credit
	Ergonomics	A.W12, A.W13, A.W14, A.W15, A.W16, A.U11, B.U4, E.U2, E.U3, K2, K3, K6	informative lecture with multimedia presentation, didactic discussion, solving problems and tasks	outline, extended observation, written credit

	Occupational Diseases Prevention	B.W12, B.W13, C.W17, B.U4, B.U5, C.U17, E.U3, K2, K3, K6	informative lecture, problem-based lecture, didactic discussion	outline, extended observation, written credit
	Information Technologies	B.W21, E.U2, E.U3, E.U5, K5, K6	project work, computer work	written credit
	Principles of Nutrition for the Disabled	A.W11, A.W12, A.W18, C.W2, E.U3, K2, K3, K6	informative lecture with multimedia presentation and discussion on the issue in question, working with a schedule (instructions for carrying out the exercise), problem-solving, discussion	single-choice test, report in tutorials, extended observation
	Sign Language	B.W2, B.W3, B.W7, B.U3, B.U4, K1, K2, K5	informative lecture, problem-based lecture, conversational lecture, discussion dydaktyczna, learning through action, simulation method, computer assisted learning, expository methods: film, demonstration, multimedia presentation	practical credit, extended observation
	Kinesiology	A.W7, A.W8, A.W9, A.W12, D.W16, F.W10, A.U11, C.U6, E.U2, E.U3, K5, K6	informative lecture, problem-based lecture, didactic discussion, case analysis, demonstration	oral credit, written credit, practical credit, extended observation
	Diagnostic imaging in Physiotherapy	A.W2, C.W4, D.W1, D.W2, F.W10, C.U1, C.U2, D.U1, D.U23, E.U2, E.U3, K5, K6	informative lecture, problem-based lecture, expository methods: demonstration, case analysis	written credit, practical credit, extended observation
	Clinical Physiotherapy	C.W1, C.W3, C.W5, C.W9, C.W10, C.U2, C.U9, C.U11, C.U12, E.U3, K5, K6, K9	practical exercises, didactic discussion, case analysis, multimedia presentations	written examination, practical examination, written colloquium, practical colloquium, extended observation
	Anthropometry	A.W7, A.W8, A.W9, A.W12, D.W16, F.W10, A.U11, C.U6, E.U2, E.U3, K5, K6	informative lecture, problem-based lecture, didactic discussion, case analysis, demonstration	written credit, practical credit, extended observation
	Supporting Therapies in Urology	A.W8, A.W10, D.W16, F.W10, A.U3, A.U8, A.U14, C.U2, C.U5, C.U6, D.U1, D.U42, E.U2, E.U3, K5, K6	informative lecture, problem-based lecture, expository methods: demonstration, didactic discussion, case analysis	oral credit, written credit, practical credit, extended observation, extended observation
	Supporting Therapies in Peripheral Vascular Diseases	D.W3, D.W4, D.W7, D.W10, D.W16, F.W10, D.U5, D.U7,	informative lecture, problem-based lecture, expository methods:	oral credit, written credit, practical credit, extended

		D.U28, D.U31, D.U32, D.U37, E.U2, E.U3, K3, K5, K6	demonstration, didactic discussion, case analysis	observation, extended observation
	Basics of Biostatistics	B.W14, B.W21, E.W1, E.U1, E.U2, E.U3, E.U4, E.U5, K5, K6	informative lecture and problem-based lecture with multimedia presentation, didactic discussion, practical exercises	written credit, practical credit, extended observation
	Physiotherapy Planning in Masticatory Disorders	D.W1, D.W2, D.U7, D.U12, D.W16, D.U17, D.U20, D.U26, E.U3, K5, K6	informative lecture- didactic discussion, case methods - brainstorming, practical classes	written credit, practical credit, outline, extended observation
	Neurolingustics	B.W1, B.W2, B.W3, B.W4, F.W10, B.U3, B.U5, B.U10, E.U2, E.U3, K1, K5, K6,	chat, informative lecture, demonstration, case analysis, multimedia presentations, didactic discussion	written credit, presentation, extended observation
	Reflexotherapy	C.W3, C.W4, C.W7, C.W10, D.W16, F.W10, C.U1, C.U8, C.U9, E.U2, E.U3, K4, K5, K6, K9	chat, informative lecture, demonstration, case analysis, multimedia presentations, didactic discussion	written credit, practical credit, presentation, extended observation
	Physiotherapy in Hypertension	D.W3, D.W4, D.W6, D.W7, D.W8, F.W10, D.U30, D.U31, E.U2, E.U3, K1, K2, K5, K6	informative lecture, problem-based lecture	written credit
	Coordinated Health Care	B.W3, B.W16, B.U12, C.U4, D.U7, D.U47, D.U49, E.U3, K2, K7, K9	informative lecture, didactic discussion, therapeutic activities simulations, multimedia presentations	written credit, practical credit, presentation, extended observation
	Respiratory Physiotherapy	B.W11, C.U4, C.U5, C.U6, C.U7, C.U8, C.U10, D.U1, D.U7, D.U33, D.U34, D.U35, D.U36, D.U47, E.U2, K1, K2, K3, K5, K7, K9	didactic discussion, therapeutic activities simulations, case analysis, demonstration	written credit, practical credit, extended observation
	Environmental Physiotherapy	B.W11, C.U4, C.U5, C.U6, C.U7, C.U8, C.U10, D.U1, D.U7, D.U27, E.U2, K1, K2, K3, K5, K7, K9	didactic discussion, therapeutic activities simulations, case analysis, demonstration	written credit, practical credit, extended observation
	Paediatric Physiotherapy	B.W11, C.U4, C.U5, C.U6, C.U7, C.U8, C.U10, D.U1, D.U7, D.U17, D.U18, D.U19, D.U20, D.U21, D.U22, D.U47, E.U2, K1, K2, K3, K5, K7, K9	didactic discussion, therapeutic activities simulations, case analysis, demonstration	written credit, practical credit, extended observation
	Oncology Physiotherapy	B.W11, C.U4, C.U5, C.U6, C.U7, C.U8, C.U10, D.U1, D.U7, D.U46, D.U47, D.U48, E.U2, K1, K2, K3, K5, K7, K9	didactic discussion, therapeutic activities simulations, case analysis, demonstration	written credit, practical credit, extended observation

	Active Rehabilitation	B.W11, C.W1, C.W11, C.W12, C.W13, C.U3, C.U5, C.U6, C.U7, C.U8, C.U13, C.U14, C.U15, C.U17, D.U7, E.U2, K1, K2, K3, K5, K7, K9	didactic discussion, therapeutic activities simulations, case analysis, demonstration	written credit, practical credit, extended observation
	Post-Stroke Physiotherapy	B.W11, C.U4, C.U5, C.U6, C.U7, C.U8, C.U10, D.U1, D.U7, D.U47, E.U2, K1, K2, K3, K5, K7, K9	didactic discussion, therapeutic activities simulations, case analysis, demonstration	written credit, practical credit, extended observation
	Sports Cardiology	B.W11,, E.U3, C.U4, C.U5,, D.U28, D.U29, K1, K2, K3, K4, K5, K6	didactic discussion, therapeutic activities simulations, case analysis, demonstration	written credit, practical credit, extended observation
	Physical Activity in People with Cardiovascular Diseases	B.W11,, E.U3, C.U4, C.U5,, D.U28, D.U29, K1, K2, K3, K4, K5, K6	didactic discussion, therapeutic activities simulations, case analysis, demonstration	written credit, practical credit, extended observation
Work Placement	Scope of work placement		1560 hours	
	Form of work placement		Work placements are of a compulsory nature resulting from the plan of study and the curriculum. Students undergo their work placements in units of Collegium Medicum. After obtaining the consent of the Dean, a student may do their work placement at a rehabilitation facility that has concluded an agreement with the National Health Fund for the provision of services that are in line with the scope of the work placement and has the capacity to complete the work placement programme. The student is required to submit to the Dean a written confirmation of the student's acceptance for the placement, issued by the head of the rehabilitation facility.		
	Principles of work placement		The proper implementation of the work placement is supervised by the work placement supervisors of the physiotherapy faculty. During the course of the work placement the student should acquire the skills necessary to impeccably perform all physiotherapeutic procedures as part of the operation of rehabilitation teams and to control the effectiveness of the physiotherapy process within the scope of the work placement topic. An entry in the work placement logbook is made by the person responsible for the practice, once all the statutory tasks have		

		been completed. Any doubts should be reported to the Work Placement Coordinator. During the placement the student will describe a case study of their choice. The health and safety regulations of the respective unit apply during the placement. Final credit for the internship is given in the work placement logbook by the Internship Coordinator after approval by the work placement manager (supervisor).

Detailed ECTS credit indicators

Scientific or artistic disciplines to which the learning outcomes relate:

	Scientific or artistic discipline	**ECTS credits**	
		number	**%**
1.	Health Sciences	300	100

Course groups	**Course**	**ECTS credits**	**Number of ECTS credits in the discipline:**	**Number of ECTS credits in course selection**	**Number of ECTS credits which the student achieves through direct instruction with academic teachers or other instructors**	**The number of ECTS credits which a student acquires while implementing: classes connected with the scientific activity conducted at the university in the discipline or disciplines to which the field of study is assigned/ classes developing practical skills**
MODULE A. BIOMEDICAL BASICS OF PHYSIOTHERAPY	Anatomy	5	5		3,5	2,0
	Biochemistry	1	1		0,8	0,2
	Medical Biology	1	1		0,4	0,1

	Biophysics	1	1		0,7	0,2
	Genetics	1	1		0,4	0,2
	Pharmacology in Physiotherapy	1	1		0,4	0,2
	General Pathology	1	1		0,4	0,2
	First Aid	1	1		0,6	0,2
	General Physiology	2	2		1,2	1,0
	Neuroanatomy and Neurophysiology	3	3		1,6	1,5
	Physical Exercise Physiology	2	2		1,1	1,0
	Applied Biomechanics and Ergonomics	1	1		0,7	0,5
	Clinical Biomechanics	1	1		0,7	0,5
	Surface Anatomy	1	1		0,8	0,5
	X-Ray Anatomy	1	1		0,5	0,5
	Clinical Exercise Physiology with Physiological Diagnostics	2	2		1,2	1,0
MODULE B. BASIC SCIENCES	Physical Education	-	-	-	-	-
	Clinical Psychology and Psychotherapy	1	1		0,7	0,5
	General Psychology	1	1		0,5	0,5
	Clinical Communication	1	1		0,4	0,5

	Philosophy and Bioethics	1	1		0,4	0,5
	History of Physiotherapy	1	1		0,2	0,5
	Public Health	1	1		0,4	0,5
	Pedagogy	1	1		0,4	0,5
	General Sociology and Sociology of Disability	1	1		0,8	0,5
	Demography and Epidemiology	1	1		0,4	0,5
	Foreign Language	5	5	5	5,0	5,0
	Didactics in Physiotherapy	1	1		0,4	0,5
	Economics and Health Care Sytems	1	1		0,2	0,5
	Management and Marketing	1	1		0,2	0,5
	Principles of Law	1	1		0,5	0,5
MODULE C. BASICS OF PHYSIOTHERAPY	Motor Skills Training and Movement Education Methodology	5	5		2,4	1,0
	Health Promotion and Preventive Physiotherapy	2	2		0,7	1,0
	General Physiotherapy	5	5		2,0	2,0
	Kinesitherapy	5	5		4,6	3,0
	Therapeutic Massage	3	3		2,8	1,5

	Physical Therapy	4	4		3,6	2,0
	Special Massage	3	3		2,4	1,5
	Biological Rejuvenation	2	2		1,6	1,0
	Special Methods in Physiotherapy	3	3		2,6	1,0
	Manual Therapy	3	3		2,4	1,0
	Medical Products	2	2		0,8	0,5
	Disabled Sports	3	3		1,6	1,5
	Balneoclimatology	3	3		1,2	1,5
	Adapted Physical Activity	2	2		1,6	1,0
MODULE D. CLINICAL PHSYIOTHERAPY	Clinical Basics of Physiotherapy in Neurology	2	2		1,6	1,0
	Clinical Basics of Physiotherapy in Neurosurgery	2	2		1,6	1,0
	Clinical Basics of Physiotherapy in Orthopaedics	1,5	1,5		1,6	1,5
	Clinical Basics of Physiotherapy in Traumatology and Sports Medicine	1,5	1,5		1,6	1,5
	Clinical Basics of Physiotherapy in Rheumatology	2	2		1,4	1,0

	Clinical Basics of Physiotherapy in Paediatrics and Paediatric Neurology	3	3		1,5	1,5
	Clinical Basics of Physiotherapy in Geriatrics	3	3		1,5	1,5
	Clinical Basics of Physiotherapy in Cardiology and Cardiac Surgery	3	3		1,8	1,5
	Clinical Basics of Physiotherapy in Pulmonology	1	1		0,6	0,5
	Clinical Basics of Physiotherapy in Surgery	1	1		0,7	0,5
	Clinical Basics of Physiotherapy in Gynaecology and Obstetrics	1	1		0,7	0,5
	Clinical Basics of Physiotherapy in Intensive Care	1	1		0,6	0,5
	Clinical Basics of Physiotherapy in Psychiatry	1	1		0,7	0,5
	Clinical Basics of Physiotherapy in Oncology	2	2		0,6	1,0
	Clinical Basics of Physiotherapy in Palliative Medicine	1	1		0,8	0,5
	Clinical Basics of Physiotherapy in Orthopaedics, Traumatology and Sports Medicine	5	5		3,6	2,5

	Clinical Basics of Physiotherapy in Rheumatology	3	3		2	1,5
	Clinical Basics of Physiotherapy in Neurology	2,5	2,5		1,8	1,2
	Clinical Basics of Physiotherapy in Neurosurgery	2,5	2,5		1,8	1,2
	Clinical Physiotherapy in Developmental Age	5	5		3,6	2,5
	Clinical Physiotherapy in Psychiatry	2	2		1,4	1,0
	Clinical Physiotherapy in Cardiology and Cardiac Surgery	3	3		2,2	1,5
	Clinical Physiotherapy in Surgery	3	3		1,5	1,5
	Clinical Physiotherapy in Pulmonology	2	2		1,2	1,0
	Clinical Physiotherapy in Paediatrics	3	3		2,2	1,5
	Clinical Physiotherapy in Gynaecology and Obstetrics	2	2		1,4	1,0
	Clinical Physiotherapy in Oncology	3	3		1,6	1,5
	Clinical Physiotherapy in Palliative Medicine	3	3		1,6	1,5
	Clinical Physiotherapy in Geriatrics	4	4		2,3	2,0
	Functional Diagnostics in Musculoskeletal Disorders	5	5		3,2	2,5
	Functional Diagnostics in Developmental Age	5	5		2,8	2,5

	Functional Diagnostics in Internal Diseases	5	5		3,2	2,5
	Physiotherapy Planning in Musculoskeletal Disorders	5	5		3,4	2,5
	Physiotherapy Planning in Developmental Age	5	5		3,4	2,5
	Physiotherapy Planning in Internal Diseases	5	5		3,4	2,5
MODULE E. SCIENTIFIC RESEARCH METHODOLOGY	Master's Thesis Seminar	23	23	23	1,8	23,0
	Scientific Research Methodology	2	2		1,0	2,0
MODULE F. WORK PLACEMENT		58	58		52,0	20,0
MODULE G UNIVERSITY'S EXCLUSIVE OFFER	Evidence-Based Medicine	1	1		1	1,0
	Management of the Physiotherapy Profession	2	2		0,6	1,0
	Information Technologies	1	1		0,6	0,5
	Basics of Occupational Therapy	2	2		1,0	1,0
	Therapeutic Education	2	2		0,6	1,0
	Ergonomics	1	1	1	0,6	0,5
	Prevention of Occupational Diseases					
	Principles of Nutrition for the Disabled	2	2	2	0,8	1,0
	Sign Language					
	Anthropometry	1	1		0,8	0,5
	Diagnostic Imaging in Physiotherapy	1	1		0,4	0,5

	Kinesilogy	2	2		1,0	1,0
	Supporting Therapies in Urology	1	1		0,5	0,5
	Supporting Therapies in Peripheral Vascular Diseases	1	1		1,0	0,5
	Basics of Biostatistics	1	1		0,8	0,5
	Clinical Physical Therapy	1	1		0,8	0,5
	Coordinated Health Care	1	1		0,8	0,5
	Physiotherapy Planning in Masticatory Disorders	1	1		0,6	0,5
	Neurolinguistics	1	1	1	0,6	0,5
	Reflexotherapy					
	Physiotherapy in Hypertension	1	1		0,6	0,5
	Respiratory Physiotherapy	1	1		0,6	0,5
	Environmental Physiotherapy	1	1		0,6	0,5
	Paediatric Physiotherapy	2	2	2	0,8	1,0
	Oncology Physiotherapy					
	Active Rehabilitation	2	2	2	0,8	1,0
	Post-Stroke Physiotherapy					
	Sports Cardiology	1	1	1	0,6	0,5
	Physical Activity in People with Cardiovascular Diseases					
	TOTAL:	**300** **100%**	**300** **100%**	**37** **12,33%**	**192** **64%**	**152,2** **50,73%**

MODULE A. BIOMEDICAL BASICS OF PHYSIOTHERAPY	Course	Programme content
	Anatomy	The aim of the course is to familiarise students with the anatomical structure of organs and systems of the human organism, with particular emphasis on the structure of the locomotor system. The course covers the basic relations between the function and structure of organs to the extent necessary in physiotherapy practice.
	Biochemistry	The knowledge of the molecular basis of the functioning of the human body imparted to students in lectures and tutorials is essential for everyday professional practice. Biochemistry course, together with the other basic sciences, forms the foundation on which the student should build his/her further knowledge and improve practical skills.
	Medical Biology	During the lectures, students will expand their knowledge of the structure and function of cell organelles and cellular adaptive changes in disease processes.
	Biophysics	The Biophysics course covers methods of describing the human body and its processes using the laws of physics.
	Genetics	The Genetics course is designed to introduce physiotherapy students to issues including mechanisms of inheritance, molecular structure of DNA, replication, transcription, translation, regulation of gene expression, mutagenesis and to highlight the importance of genetics in the pathogenesis of various human diseases. This course, together with the other basic sciences, provides the foundation on which the physiotherapy student should enrich their professional knowledge and improve their practical skills.
	Pharmacology in Physiotherapy	The aim of teaching Pharmacology is to familiarise students with the basic terminology used to define the mechanism of action of a drug, its use, possible adverse and toxic effects. During the course, special emphasis will be placed on the action of non-steroidal anti-inflammatory and analgesic drugs as well as drugs that can be used in physiotherapy e.g. are administered by iontophoresis, inhalation or topically (e.g. ointments, creams, therapeutic baths), are OTC drugs or so-called dietary supplements. Students are also taught to select appropriate sources of drug information.
	General Pathology	The aim of the course is for the student to master the knowledge and skills in the mechanisms of organismal dysfunction in various pathological states (at the cellular, systemic and organ level); to understand the disorders of adaptive and regulatory functions of the organism, metabolic disorders and pathophysiology of cancer.
	First Aid	The First Aid course is designed to familiarise students with knowledge of life and health emergencies and to acquire practical skills in administering first aid and BLS in accordance with the standards of

		the European Resuscitation Council. The course also aims to make students aware of the need to systematically supplement and update their knowledge in this area.
	General Physiology	The aim of the course is to learn about general human physiology, including the mechanisms that enable the human organism to function properly, to develop the ability to associate processes and to think of individual organs and systems as elements of the whole organism, and to learn about the mechanisms that enable the integration of the activities of individual organs. Teaching of Physiology is also aimed at learning about the adaptation possibilities of the human organism, healthy and sick, to the natural stresses of everyday life and to extreme conditions.
	Neuroanatomy and Neurophysiology	The aim of the course is to learn about human neuroanatomy and neurophysiology, including the structure of the nervous system and the control centres of higher nervous system functions. The subject aims to familiarise students with the mechanisms that enable the proper functioning of the human body, including the control of balance, movement and gait. The course enables students to learn about the processes that allow the nervous system to be integrated with the rest of the body through reflexes. Teaching of Neuroanatomy and Neurophysiology also aims to learn about the physiology of the sense organs, receptors and biological rhythms, as well as the connections between the nervous system and the endocrine system. In the course cycle, the aim is also to learn about the effects of exercise on human neurophysiology in the context of functional and clinical neuroanatomy.
	Physiology of Physical Exercise	The course aims to familiarise students with the basic issues of classification of physical effort and adaptive changes of the organism under the influence of effort. During lectures and tutorials, the student will acquire knowledge and skills in the field of physical effort energetics and the application of physiological research in the control of training effects in selected sports disciplines.
	Applied Biomechanics and Ergonomics	Basic objectives: - to familiarise students with the application of the laws of mechanics to the human musculoskeletal system - to familiarise students with the parameters of the musculoskeletal system, to learn how to determine them, to recognise normal and pathological conditions, - to present the research methods used in biomechanics and ergonomics and to teach them how to operate the measuring instruments used, - to teach them how to use their knowledge in responsible work with patients.
	Clinical Biomechanics	Basic objectives: - to present the testing methods used in clinical biomechanics and to teach how to operate the measuring instruments used, - to teach how to use the knowledge in responsible work with patients.
	Surface Anatomy	The aim of the course is to broaden knowledge of anatomy, in particular the structure of the skeletal-articular and muscular systems, and to acquire the ability to palpate selected elements on a living human being and to identify them.
	X-Ray Anatomy	The aim of the course is to broaden the knowledge of anatomy and to acquire the ability to efficiently locate and analyse selected elements based on radiological examinations.

	Clinical Physiology of Exercise with Physiology Diagnostics	Classes conducted in the form of lectures and tutorials. During the tutorials, students will explore clinical physiology of exercise and physiological diagnosis in cardiovascular, respiratory, and nervous system disorders.
MODULE B. BASIC SCIENCES	Physical Education	The main objective of Physical Education in the Physiotherapy programme is to motivate students to participate in various utilitarian forms of physical activity.
	Clinical Communication	The course Clinical Communication aims to prepare students to communicate appropriately with patients using therapeutic communication and medical staff.
	Philosophy and Bioethics	The course aims to provide a basic introduction to the philosophical way of analysing reality. The specificity of philosophical cognition and its significance for culture in the broadest sense will be shown. In this context, ethical issues will be discussed, in particular bioethics (i.e. concerning the ethics of human life). The issue of defining standards of conduct in bioethics will also be addressed.
	History of Physiotherapy	The course covers content from the history of medicine and physiotherapy; from prehistory to the 20th century.
	Public Health	Public Health deals with preventive measures mainly in the field of civilisation diseases, the formation of skills to recognise health risks.
	Demography and Epidemiology	The main objective of epidemiology is to study the prevalence of health-related conditions and phenomena and the factors influencing them. The task of demography is to show the development of the population under specific socio-economic conditions with a particular focus on health aspects of the selected population.
	Foreign Language	The course aims to introduce physiotherapy terminology at B1, B1+, B2 level; to teach the use of professional literature to the extent that one can read and translate professional texts independently and to teach communication in English among international professionals.
	Principles of Law	Principles of Medical Law is a course that covers the basic concepts of medical law, public health law, legal liability of the medical profession. It provides the ability to find, as well as to interpret the existing regulations including the legal consequences of their application. At the same time, it adapts the presented content to the needs of professional preparation of a physiotherapist.
	Pedagogy	The course presents selected issues and problems in order to prepare students for educational work related to health and health protection, as well as care and educational activities in selected social environments.
	General Sociology and Sociology of Disability	The course discusses basic sociological concepts, theories and approaches. Group mechanisms and processes are presented, as well as aspects of social perception. Numerous factors involved in the formation of attitudes, with particular emphasis on those towards people with disabilities, and their consequences are analysed. The student is introduced to the ICF classification.
	Clinical Psychology and Psychotherapy	Basic issues in clinical psychology, the main forms of psychological help and the leading psychotherapeutic approaches.

	General Psychology	Introduce basic concepts and theories in psychology; discuss the psychological mechanisms underlying behaviour.
	Didactics in Physiotherapy	Physiotherapy didactics encompasses the knowledge and skills of special pedagogy in the process of education and education of people with disabilities. Psychopedagogical determinants of effective work of a physiotherapist as a teaching person in the context of basic components of the teaching process. Using the elements of the teaching process conditioning effective improvement - aims, principles, teaching methods, organisational forms, control and evaluation, reasons for failures, physiotherapist's pedagogical attitude. Participation of the patient's family in the rehabilitation process. Social and pedagogical mechanisms of the patient's attitude formation. Methods of influencing the patient and family. Physiotherapist-family cooperation.
	Economics and Health Care Systems	The aim of the course is to familiarise students with the basic issues of economics, taking into account the specifics of the health services market, as well as to show the basic principles of functioning of the health care system and medical entities.
	Management and Marketing	The main objective of the course is to prepare students to participate in the economic life in the field of management of organisations, especially those related to health. Students should have knowledge of the basics of management and modern and effective marketing activities. Students should be able to recognise the situation on the market of economic life, have an entrepreneurial attitude and basic knowledge of management and marketing.
MODULE C. BASICS OF PHYSIOTHERAPY	Motor Skills Training and Movement Education Methodology	The basic aim of teaching the subject is: to familiarise students with contemporary directions of movement education based on the pedagogy of physical culture and the methodology of physical education, to acquire knowledge and skills to organise and conduct recreational and sports forms, including games and movement games, as well as games of team sports, gymnastics, field athletics and exercises in water, acquiring knowledge and skills to perceive movement acts from a developmental perspective and the effectiveness of the improvement process according to individual needs, as well as praxeological skills in the process of physical education of healthy people with different predispositions and developmental limitations, and acquiring skills in testing physical fitness, learning styles of teaching and directing the process of movement improvement, as well as professional roles of a person conducting movement education.
	Health Promotion and Preventive Physiotherapy	Preventive Physiotherapy is the physiotherapeutic management of counteracting, slowing down, inhibiting or withdrawing the adverse effects of abnormal lifestyles, involutionary changes and disease processes.
	General Physiotherapy	The aim of the course is to familiarise students with issues related to physiotherapy. The aim of the course is also for students to master the skills of using the basic equipment and apparatus used in patient improvement and to master the skills of interacting with patients.

	Kinesitherapy	The main objective of the course is to familiarise students with the theoretical and practical foundations of movement therapy, to acquire knowledge and skills in systematics, methodology and technique of therapeutic exercises, to get acquainted with the means of local and general kinesiotherapy and kinesiotherapeutic methods, as well as the possibilities of applying forms of physical exercise in ill persons.
	Therapeutic Massage	The main objective of the course teaching is to familiarise students with the theoretical and practical foundations of therapeutic massage at different stages of treatment, to acquire knowledge and skills in systematics, methodology and technique of performing therapeutic massage according to the patients' needs and to monitor the results of the treatments performed.
	Physical Therapy	Physical Therapy - in this course, students learn the physical and biological basis of the action of physical stimuli and the methodology of performing physical treatments.
	Special Massage	The main objective of the course teaching is to familiarise students with the theoretical and practical foundations of special massage at different stages of treatment, to acquire knowledge and skills in systematics, methodology and technique of performing special massage according to the patients' needs and to monitor the results of the performed treatments, to understand the specificities of working with developmental, adult and elderly patients treated in inpatient and outpatient settings. It includes performing special massage: lymphatic drainage, segmental massage, sports massage, deep tissue massage and Shantala massage.
	Biological Rejuvenation	The course aims to familiarise students with the basic issues of biological regeneration both in sport and in clinical cases. During lectures and tutorials, the student will acquire knowledge and skills in the use of physical methods aimed at reducing the intensity of fatigue, stimulating regeneration of the organism, principles of nutrition in sport. He/she will learn the methodology of selected wellness planning procedures .
	Special Methods in Physiotherapy	Special Methods in Physiotherapy is a course that teaches how to work independently and creatively by applying the knowledge and skills acquired in the 1st, 2nd and 3rd year of Physiotherapy studies. It gives students the opportunity to learn about a wide range of methods used in modern physiotherapy.
	Manual Therapy	The main purpose of teaching the course is to familiarize students with the theoretical basis and practical techniques of manual therapy at various stages of treatment. To acquire knowledge and skills in the following areas: manual diagnosis of the musculoskeletal organ, assessment of joint glide, mobilization of soft tissues differentiation of symptoms and appropriate selection of various forms of therapy.
	Medical Products	Medical Products: a course where students learn about the options and use of medical products in physiotherapy practice.
	Disabled Sports	The course is delivered in the form of lectures and tutorials, which introduce the aims and objectives of sport for people with disabilities.

	Balneoclimatology	During the course, students have the opportunity to learn about the methods of balneoclimatology as one form of physiotherapeutic treatment.
	Adapted Physical Activity	The course is taught through lectures and tutorials in order to prepare for the programming and conduct of adaptive movement activity based on knowledge and skills from the basics of sociology, normal human anatomy, movement education and movement teaching methodology, biomechanics, exercise physiology, kinesiology and physiotherapy.
MODULE D. CLINICAL PHYSIOTHERAPY	Clinical Basics of Physiotherapy in Neurology	The course focuses on issues related to neurological diseases - aetiology, epidemiology, diagnosis and treatment.
	Clinical Basics of Physiotherapy in Neurosurgery	The course covers issues related to the diagnostic and therapeutic management of patients requiring neurosurgical treatment.
	Clinical Basics of Physiotherapy in Orthopaedics	The main objective of the course is to familiarise students with the theoretical foundations of diagnostics, examination and treatment of the musculoskeletal system.
	Clinical Basics of Physiotherapy in Traumatology and Sports Medicine	The main objective of the course teaching is to familiarise students with the theoretical basis of diagnosis, examination and treatment of patients after orthopaedic and sports injuries, to acquire knowledge of the types of orthopaedic and sports injuries within the locomotor system, diseases of the locomotor system and ways of their preventive and surgical treatment.
	Clinical Basics of Physiotherapy in Rheumatology	The aim of the course is to teach students to skilfully assess a patient's condition and plan the therapeutic process in an optimal and safe manner, taking into account the specificity of diseases in the field of rheumatology.
	Clinical Basics of Physiotherapy in Paediatrics and Paediatric Neurology	In this course, the student will learn about the normal development of the child with methods of its assessment. The most common disease causes and external factors affecting the child's health will also be presented. All forms of broadly defined prevention of developmental age are discussed in detail.
	Clinical Basics of Physiotherapy in Geriatrics	The main aim of the course is to familiarise students with the specifics of the geriatric patient and the problems of geriatric physiotherapy.
	Clinical Basics of Physiotherapy in Cardiology and Cardiac Surgery	Scope of knowledge regarding anatomy, physiology of the cardiovascular system. Pathophysiology and diagnosis of basic cardiovascular conditions.
	Clinical Basics of Physiotherapy in Pulmonology	In this course, allergic hypersensitivity phenomena and their clinical manifestations and pulmonary diseases are discussed.
	Clinical Basics of Physiotherapy in Surgery	The role, importance and possibilities of surgical treatment. Presentation of diseases and surgical techniques.
	Clinical Basics of Physiotherapy in Gynaecology and Obstetrics	The Gynaecology and Obstetrics course aims to provide basic knowledge of obstetrics and gynaecology. Issues in physiological pregnancy, puerperium, childbirth and selected topics in gynaecology will be presented.
	Clinical Basics of Physiotherapy in Intensive Care	The course aims to prepare the student for working conditions in the intensive care unit, interdisciplinary cooperation and preventive and therapeutic activities.

	Clinical Basics of Physiotherapy in Psychiatry	The course aims to prepare the student to recognise the mental needs of the patient, to know the causes and course of mental disorders and the forms of their treatment.
	Clinical Basics of Physiotherapy in Oncology	The aim of the course is to familiarise students with current state of knowledge of epidemiology, aetiology, diagnosis and treatment methods in oncology. Particular emphasis is placed on the application of physiotherapy in the rehabilitation of patients after oncological procedures.
	Clinical Basics of Physiotherapy in Palliative Medicine	Palliative medicine is a branch of medicine concerned with alleviating the discomfort and meeting the needs of people in advanced stages of life-limiting illness. The course covers issues related to the management, principles and philosophy of palliative care and the role of physiotherapy in the complex symptomatic treatment of palliative care patients.
	Clinical Physiotherapy in Orthopaedics, Traumatology and Sports Medicine	The student, on the basis of clinical knowledge (symptoms of orthopaedic diseases and specifics of orthopaedic treatment, methods of surgical treatment: trauma, hip and knee endoprosthesis, reconstruction of ligaments of the knee joint), acquired during classes in the course 'Clinical Basics of Physiotherapy in Orthopaedics and Traumatology', will diagnose the physiotherapeutic needs of patients at different stages of treatment. The course is devoted to learning how to plan and conduct physiotherapy (selection of physical treatments, application of massage, kinesitherapy programming, use of orthopaedic supplies and rehabilitation equipment), monitoring of physiotherapy results and prevention in musculoskeletal disorders. The student will understand the specifics of physiotherapeutic management of patients of all ages treated in inpatient and outpatient settings. The student will learn how to keep physiotherapy records for orthopaedic and traumatic diseases.
	Clinical Physiotherapy in Paediatrics	The aim of the course is to familiarise students with the basic concepts and issues that are of interest to clinical physiotherapy in paediatrics. In the course of lectures and tutorials the following issues will be discussed: posture defects, therapy methods and physiotherapeutic tools helpful in the assessment of disorders and dysfunctions in children, amputations and widely understood childhood diseases.
	Clinical Physiotherapy in Rheumatology	The course aims to teach students to skilfully assess a patient's condition and plan the therapeutic process in an optimal and safe way, taking into account the specificity of diseases in the field of rheumatology.
	Clinical Physiotherapy in Neurology	The course focuses on issues related to neurological diseases.
	Clinical Physiotherapy in Neurosurgery	The course focuses on issues related to the perioperative management of neurosurgical cases.
	Clinical Physiotherapy in Developmental Age	The main aim of the course is to familiarise students with the theoretical and practical foundations of clinical physiotherapy in developmental age. The subject provides knowledge on normal child development and pathologies that may occur during this period. It enables the student to become familiar with basic abnormalities of the nervous, musculoskeletal, respiratory and circulatory systems and to acquire skills enabling physiotherapeutic work.

	Clinical Physiotherapy in Psychiatry	The course aims to prepare students to recognise psychological needs and to plan, select and modify patient rehabilitation programmes according to the clinical, functional and psychological (cognitive-emotional) state of the patient, their needs and the needs of their carers.
	Clinical Physiotherapy in Cardiology and Cardiac Surgery	Scope of knowledge regarding physiotherapy in cardiovascular disease and after cardiac surgery. Indications and contraindications for cardiovascular physiotherapy and physiotherapy after cardiac surgery. Selection of correct physiotherapy methods in cardiovascular diseases and physiotherapy after cardiac surgery.
	Clinical Physiotherapy in Surgery	The role, importance and opportunities for surgical treatment. Presentation of diseases and surgical techniques.
	Clinical Physiotherapy in Palliative Medicine	Palliative medicine is a branch of medicine dealing with the relief of discomfort and the needs of people in advanced stages of life-limiting illness. The course covers issues related to the possible use of selected physiotherapy methods as part of supportive treatment for patients receiving palliative care.
	Clinical Physiotherapy in Oncology	The course covers issues related to the applicability of selected physiotherapy methods in oncology. It also focuses on topics related to the treatment of oncological conditions, presenting the function of physiotherapy in reducing the effects of anticancer treatment.
	Clinical Physiotherapy in Pulmonology	Pulmonology is the branch of medicine dealing with the diagnosis and treatment of people with respiratory diseases. The course covers issues related to the possibility of using selected physiotherapy methods as part of the treatment of people with respiratory diseases.
	Clinical Physiotherapy in Gynaecology and Obstetrics	Clinical Physiotherapy in Gynaecology and Obstetrics is a set of measures and methods which are used in the prevention, diagnosis and treatment of diseases of the genitourinary system and disabilities associated with its dysfunction. The course is conducted in the form of lectures and tutorials. The main objective of the course is to familiarise students with the theoretical basis and practical procedures of urogenital physiotherapy in female patients.
	Clinical Physiotherapy in Geriatrics	The main aim of the course is to familiarise students with the specifics of the geriatric patient and the problems of geriatric physiotherapy.
	Functional Diagnostics in Musculoskeletal Disorders	The course provides the practical skill of conducting a proper examination of a patient to assess the degree of progression of pathological changes within the musculoskeletal system. The examination carried out in this way will form the basis for selecting the optimum direction of physiotherapeutic treatment.
	Functional Diagnostics in Developmental Age	In the course, students will learn about basic dysfunctions in developmental age. They will also learn different ways to assess the psychomotor development of infants and children, up to puberty.
	Functional Diagnostics in Internal Disesases	The course aims for the student to acquire the skills of selecting, applying and interpreting diagnostic examinations and functional diagnostic tests to make a physiotherapeutic diagnosis, propose a physiotherapeutic intervention and modify the rehabilitation programme depending on its effect in a patient with conditions falling within a wide range of internal diseases. The student should also learn to select examinations (questionnaire, physical examination, functional tests) and interpret their results

		to take into account the site, cause, severity of the patient's dysfunctions and chief complaints and his/her internal medicine comorbidity. The student should also acquire the ability to personalise the intensity of rehabilitation stages according to the patient's changing functional status resulting from disease progression and treatment progression.
	Rehabilitation Programming in Musculoskeletal Dysfunctions	The course provides the practical skill of conducting a proper examination of the patient, assessing the degree of progression of pathological changes within the musculoskeletal system. This examination allows the student to design an appropriate rehabilitation programme using kinesitherapy, physiotherapy and special methods.
	Rehabilitation Programming in Developmental Age	The aim of the course is to familiarise students with dysfunctions occurring in the developmental age as well as physiotherapy programming in infants, children and adolescents. In the course of the tutorials, students learn the principles of planning and programming physiotherapy for children in selected genetic diseases, neuromuscular diseases and congenital defects of the musculoskeletal system.
	Rehabilitation Programming in Internal Diseases	The course enables the assessment the clinical condition and planning the rehabilitation process in patients with a particular disease entity, through a detailed case analysis, physiotherapeutic examination, carried out on cardiac, oncology, pulmonology patients, patients undergoing surgical procedures of internal organs.
MODULE E. SCIENTIFIC RESEARCH METHODOLOGY	Master's Thesis Seminar	The course is designed to prepare the student for the thesis and diploma examination.
	Scientific Research Methodology	The student develops his/her competence in carrying out the methodology of creating and conducting scientific research, critical analysis of scientific articles.
	Evidence-Based Physiotherapy	The course enables the student to acquire skills in making healthcare decisions, with a particular focus on physiotherapy methods.
MODULE F. WORK PLACEMENT		
MODULE G. UNIVERSITY'S EXCLUSIVE OFFER	Management of the Physiotherapy Profession	A course presenting the current legal and organisational conditions of the physiotherapy profession.
	Basics of Occupational Therapy	In the course, students learn about the theoretical and practical foundations of occupational therapy.
	Therapeutic Education	The course provides knowledge in the field of health promotion in its broadest sense, with particular emphasis on the content of health and therapeutic education in working with healthy and sick people.
	Ergonomics	The aim of the course is to prepare the student for the working conditions of a physiotherapist using human psychosomatic and anatomical possibilities.
	Occupational Diseases Prevention	The course covers the causes, symptoms and principles of diagnosing the most common occupational and environmental diseases.

	Information Technologies	The course aims to improve the skills of: working with a computer and computer programs for data analysis; searching, collecting and presenting data.
	Principles of Nutrition for the Disabled	The course aims to familiarize students with the pathophysiology of post-traumatic syndrome and with nutritional management in clinical units in the course of which a post-traumatic reaction develops. The aim is to understand the difference between the body's needs and nutritional norms, the need to diversify and individualize human nutrition (diversify consumption depending on the level of energy expenditure), familiarize students with the principles of rational nutrition and the principles of planning individual nutrition in the course of a post-traumatic reaction.
	Sign Language	The sign language course aims to teach sign language to a degree that enables communication with a deaf patient.
	Kinesiology	Kinesiology - deals with the analysis of the movements of the human body.
	Diagnostic Imaging in Physiotherapy	The aim of the course is to provide students with knowledge and skills in the use of imaging tests in physiotherapy as a complement to the diagnostic process.
	Anthropometry	Anthropometry as a branch of anthropology includes methods of determining the structure of the human body by measuring the distance between its fixed points (so-called anthropometric points), and the subject of research may be a living person or a skeleton. The aim of the course is to learn the basics of anthropometry and basic measurement methods and their use in the profession of a physiotherapist.
	Supporting Therapies in Urology	The course is a set of measures and methods used in the prevention, diagnosis and treatment of diseases of the genitourinary system and disabilities related to disorders of its functioning.
	Supporting Therapies in Peripheral Vascular Diseases	The main objective of the course is to familiarize students with the basics of vascular diseases, i.e. arteries, veins, capillaries and lymphatic vessels, methods of their treatment and the role of a physiotherapist in the comprehensive therapeutic process of these diseases. Students will gain knowledge about basic diseases of blood vessels and lymphatic vessels, the ability to assess the degree of advancement of vascular disease and comorbidities, select treatment methods, recognize complications of treatment, disease progression and principles of monitoring the results of the therapy. Students will acquire competences in teamwork and the specifics of working with a patient with vascular system diseases in adult and elderly age treated in hospital conditions.
	Basics of Biostatistics	The course prepares the student to plan research in terms of creating databases and subsequent analysis of results in accordance with the principles of Evidence Based Medicine.
	Clinical Physiotherapy	After completing the course, the student is able to perform procedures in the field of physical therapy, knows the indications and contraindications for the use of these procedures, is able to create physical therapy programs that include several physical procedures correctly combined and is prepared to perform procedures on patients with various groups of diseases, being able to explain the mechanisms of the beneficial effects of this form of treatment.
	Planning of Physiotherapy in Masticatory Disorders	The subject course teaches independent diagnosis of the masticatory system, therapy of its dysfunctions of various etiologies and also allows to learn about the relationships between dental

		physiotherapy, orthodontics and neurolinguistic therapy in the context of dysfunctions of the temporomandibular joint, tongue and swallowing disorders in adult and paediatric patients.
	Neurolinguistics	The aim of the course is to familiarize students with the basic concepts and issues that are of interest to neurolinguistics. The aim of the course is also to provide students with knowledge about the functioning of the brain, cognitive processes and neurological disorders related to speech and communication disorders.
	Reflexotherapy	During lectures and tutorials, the student becomes acquainted with general knowledge about selected methods taken from alternative medicine and applicable in contemporary conventional medicine.
	Physiotherapy in Hypertension	The main objective of the course is to familiarize students with the disease entity of arterial hypertension, with particular emphasis on symptoms and physiotherapeutic procedures, to gain knowledge and skills in the field of health education for patients with arterial hypertension and their families, skills in recognizing acute cardiological conditions and to understand the specifics of working with a patient with circulatory system diseases.
	Coordinated Health Care	The course is carried out in the form of tutorials. During classes the student will be acquainted with the principles of correct planning, supervision and independent execution of a comprehensive patient rehabilitation program. The student will gain practical skills and competences in the scope of basic clinical skills used in the daily work of a physiotherapist and will be acquainted with the models of coordinated care in Poland and around the world. The student will develop skills in planning and coordinating the process of providing health services taking into account the criteria of quality and efficiency.
	Respiratory Physiotherapy	Respiratory Physiotherapy includes interventions aimed at improving the functioning of patients with broadly understood respiratory dysfunction. Recipients of respiratory physiotherapy are patients with chronic lung diseases, neurological patients, patients after surgical procedures in the abdominal and thoracic cavity, people with breathing disorders during sleep and long-term immobilized patients. The most important therapeutic problems include: retention of secretions in the respiratory tract, reduced lung capacity, increased respiratory effort (dyspnea), respiratory failure and intolerance to physical exercise.
	Environmental Physiotherapy	The aim of the course is to prepare students to work in a home environment and to engage in interdisciplinary cooperation. Furthermore, this course will emphasise the need to be active and involved in the social life of patients.
	Paediatric Physiotherapy	During the course, students improve their skills in assessing the psychomotor development of infants and in selecting preventive measures and physiotherapeutic procedures for children.
	Oncology Physiotherapy	The course is a set of measures and methods used in the prevention, diagnosis and treatment of oncological diseases and disabilities related to the disease.

	Active Rehabilitation	The knowledge and skills acquired during classes are useful in managing patients with damaged central nervous system and selecting appropriate motor activities. The student learns about conducting classes, which can be held individually or in groups. In the case of group classes, the instructor can propose the same task for each participant or divide different tasks, depending on the type and degree of deficit. Various forms of activity in the rehabilitation process of people struggling with neurological diseases initially allow for the reproduction of basic daily activities, allow for performing increasingly complex activities, and in many cases allow for their improvement and implementation in life outside the therapy room. This form of therapy also gives the opportunity to discover new interests and abilities. All these elements allow participants to return to fitness and activity in social life as fully as possible.
	Post-Stroke Physiotherapy	The subject of the exercises is physiotherapy of a patient after a stroke - etiology, course, treatment and adequate methods of conducting rehabilitation. In addition, the course is intended to give the student's ability to combine different methods of physiotherapy and use theory in working with a patient.
	Sports Cardiology	Scope of knowledge regarding cardiological physiotherapy in sports, indications and contraindications for cardiological physiotherapy in sports, selection of correct methods of physiotherapy in cardiovascular diseases in athletes
	Physical Activity in People with Cardiovascular Diseases	The subject of the exercises is physical activity in people with cardiovascular system diseases.

The study programme – parts A) and B) is in force from the winter semester of the academic year 2025/2026.