



Physiotherapy BSc

Study Abroad Course List

Course title	Semester	Credits (ECTS)
First Aid I. theory and practice	Spring	8
Basics of Cell Biology and Biochemistry in Health Science	Fall	8
Anatomy in Health Science I. theory and practice	Fall	10
Functional analysis and examination of movement II	Fall	8
Internal medicine	Fall	6
Physiotherapy II.	Fall	8
Physiotherapy III.	Fall	8
Diagnostic Imaging	Fall	6
Movement and massage therapy II.	Fall	6
Rudiments of Kinesiology I.	Fall	10
Orthopaedics II.	Fall	6
Physiotherapy IX.	Fall	6
Physiotherapy X.	Fall	6
Physiotherapy XI.	Fall	8
Physiotherapy XII.	Fall	6
Gerontology	Fall	6
Rheumatology	Fall	6
Infant and Child Care	Fall	6
Obstetrics-Gynaecology	Fall	6
Nursing Skills I. (theory and practice)	Fall	8
Physiology in Health Science I. theory + practice	Spring	10
Rudiments of Kinesiology II.	Spring	10
Anatomy in Health Science II. theory and practice	Spring	10
Neurology (Neurological Diseases)	Spring	6
Physiotherapy IV.	Spring	6
Physiotherapy V.	Spring	6
Physiotherapy VI.	Spring	8
Physiotherapy VII.	Spring	6
Physiotherapy VIII.	Spring	6
Psychiatry	Spring	6
Surgery	Spring	6
Orthopaedics I.	Spring	6



Note: theoretical course can only be taken with the practical course!

Detailed information about the courses:

First Aid I. theory and practice

Language of instruction:	English
Form of teaching:	lecture and practice
Class hours per semester:	14 theory, 16 practice
Credits (ECTS):	8
Course description:	In this course the students should learn the basic definitions of emergency care and the practical skills of it. In this teaching task has priority of learning the correct and quick methods of assessing the breathing and circulation. Furthermore, they should learn the basic skills of life saving, with special regard the adult basic life support with the use of an automated external defibrillator (BLS-AED). In addition, students learn about other severe and life-threatening situations (e.g. unconsciousness, foreign body airway obstruction, severe bleeding, wounds, different injuries, internal medicine problems, intoxication) and the practical implementation of these situation, as well.
Assessment methods:	Assessment of theoretical knowledge is based on an online test Assessment of practical skills is based on a simulation (assessment aspects are given before the exam).
Teaching period:	Fall Semester



Basics of Cell Biology and Biochemistry in Health Science

Language of instruction:	English
Form of teaching:	lecture
Class hours per semester:	39
Credits (ECTS):	8
Course description:	<p>The course covers basic concepts about biology and cell biology. The course also covers basic concepts about organic chemistry.</p> <p>Survey of the structure and function of biological molecules, including carbohydrates, lipids, and proteins. Emphasis on relation to other life sciences. Topics include enzymology, special properties of biological membranes, hormones, vitamins, metabolic pathways Properties and metabolisms of nucleotides, amino acids, proteins, enzymes, carbohydrates, lipids.</p>
Assessment methods:	written digital test on E-teszt system (passed from 60%)
Teaching period:	Fall Semester

Anatomy in Health Science I. theory and practice

Language of instruction:	English
Form of teaching:	lecture and practice
Class hours per semester:	26 theory & 13 practice
Credits (ECTS):	10
Course description:	<p>Teaching the proper levels of the structure of the human body so the students can understand the anatomic basis of different vital functions during their analysis. Providing sufficient basis for the acquisition of other clinical subjects and necessary knowledge. The subject discusses human organization in the logical order of the organ systems constructing the human body, either briefly or more elaborately according to the needs of the training. During the discussion - wherever it's possible - the course strives to apply the aspects of functional anatomy.</p>
Assessment methods:	written digital test on E-teszt system (passed from 60%)
Teaching period:	Fall Semester



Functional Analysis and Examination of Movement II.

Language of instruction:	English
Form of teaching:	practical lesson
Class hours per semester:	22 theory + 22 practice
Credits (ECTS):	6
Course description:	Subject aim: to acquaint the student with the correct and complex examination of the patient from the point of view of the locomotor system, which forms the basis for examining the pathological abnormalities and the planning of the appropriate treatment. Requirement: the student should know the basics of musculoskeletal examination, the analytical examination of the muscles, the measurement of the joint movement range, the use of joint motility and movement (ROM) methods. To be familiar with the examination of cervical, thoracal, lumbar spine, the upper and lower extremity, special tests corresponding to the different regions, main nerve stretching tests, examining the somatic spinal cord reflexes, the sensoric function.
Assessment methods:	practical exam
Teaching period:	Fall Semester

Internal medicine

Language of instruction:	English
Form of teaching:	lecture
Class hours per semester:	22
Credits (ECTS):	6
Course description:	Students will learn mainly about the internal medical conditions relevant to the physiotherapist; laboratory and device tests for diagnosis, basic drug treatment principles, therapies. You should perform basic control tests that are necessary for physiotherapist work.
Assessment methods:	term exam



Teaching period:	Fall Semester
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Physiotherapy II.

Language of instruction:	English
Form of teaching:	lecture + practice
Class hours per semester:	33 theory + 11 practice
Credits (ECTS):	6
Course description:	In the framework of the theoretical education of cardiovascular physiotherapy, the student learns the basics of special kinesiology in internal medicine (cardiology). The material of clinical movement therapy is based on the medical theory of internal medicine and prepares the demonstration and clinical practice. The theoretical material includes the physiotherapy methods related to the diagnoses.
Assessment methods:	practical course grade
Teaching period:	Fall Semester

Physiotherapy III.

Language of instruction:	English
Form of teaching:	lecture + practice
Class hours per semester:	33 theory + 11 practice
Credits (ECTS):	6
Course description:	The student should get to know the physiotherapy treatment methods used in pulmonology, healing procedures and disease diagnostics, the physical examination of the pulmonology patient, and the physiotherapy treatment methods used in the case of major lung diseases.
Assessment methods:	practical course grade
Teaching period:	Fall Semester

Diagnostic Imaging

Language of instruction:	English
Form of teaching:	lecture
Class hours per semester:	11



Credits (ECTS):	6
Course description:	<p>Physiotherapy students are required to acquire the knowledge required in the system of requirements to obtain their qualification, or After graduation, you should have essential knowledge about the imaging procedures that can be used to visualize the human body and its diseases, and what they mean.</p> <p>Be able to provide professional answers to patients' questions related to the implementation and evaluation of procedures.</p> <p>Know the most important indication areas and contraindications of radiological examinations.</p> <p>Know what to expect from each procedure in the diseases that occur in your specialty, and what changes are typical for them.</p> <p>To the extent necessary for your field of expertise, you should be able to evaluate images independently, be able to detect changes that occur in connection with therapy, and if necessary, modify your activities accordingly, or to select cases that exceed his competence in this area, and to conduct the appropriate consultation on them.</p>
Assessment methods:	written exam
Teaching period:	Fall Semester

Movement and Massage Therapy II.

Language of instruction:	English
Form of teaching:	lecture + practice
Class hours per semester:	11 theory + 11 practice
Credits (ECTS):	6
Course description:	<p>The student gets to know the place and role of orthopedic manual therapy in physiotherapy, learns the basic elements of the Norwegian System of OMT and the treatment of the joints of the limbs in practice. Purpose: to demonstrate in practice and master the tests of accessory movements of the limb joints and the spine, as well as the possibilities of treatment using accessory movements.</p>
Assessment methods:	term exam



Teaching period:	Fall Semester
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Rudiments of Kinesiology I.

Language of instruction:	English
Form of teaching:	lecture + practice
Class hours per semester:	39 theory + 26 practice
Credits (ECTS):	10
Course description:	<p>The student will be familiar with the physiological and pathological movements of the human body, the human locomotion and posture, the differences between normal and pathologic gait, documentation and evaluation of these elements. The student is familiar with the methodology of movement exercises that can be implemented in the spaces adapted for human motion development.</p> <p>The student will be familiar with the basics of movement therapy. The aim is that the student can compose and dictate exercises sequences based on physiotherapy aspects.</p>
Assessment methods:	practical course grade
Teaching period:	Fall Semester

Orthopaedics II.

Language of instruction:	English
Form of teaching:	lecture
Class hours per semester:	22
Credits (ECTS):	6
Course description:	<p>Introduces the physiotherapist students with the congenital and acquired deformities of the musculoskeletal system, degenerative diseases of the joints, the primary and secondary alteration of muscular system, acute and chronic diseases of the musculoskeletal system. It deals with the diagnosis of certain disease patterns, their conservative and surgical treatment, especially with the tasks of the physiotherapist in the prevention and healing process. Encourages self-employment by participating in diagnostics of the disease and requires students to develop a treatment strategy for</p>



	all orthopedic diseases.
Assessment methods:	term exam
Teaching period:	Fall Semester

Physiotherapy IX.

Language of instruction:	English
Form of teaching:	lecture + practice
Class hours per semester:	11 theory + 11 practice
Credits (ECTS):	6
Course description:	Orthopaedics disease's physiotherapy. Requirement: the student know the orthopaedics physiotherapy's examination methods and know the orthopaedics disease's physiotherapy and able to apply in practice.
Assessment methods:	practical course grade
Teaching period:	Fall Semester

Physiotherapy X.

Language of instruction:	English
Form of teaching:	lecture + practice
Class hours per semester:	22 theory + 11 practice
Credits (ECTS):	6
Course description:	The student's level of knowledge extends to the compilation and implementation of a general treatment program for each disease, as well as to the definition of physiotherapy treatments applicable in rheumatology. At the skill level, the student is able to apply rheumatological examination methods, document the results of the examination, apply tests and perform treatments. He is able to form an independent opinion and record it in writing.
Assessment methods:	practical course grade
Teaching period:	Fall Semester



Physiotherapy XI.

Language of instruction:	English
Form of teaching:	lecture + practice
Class hours per semester:	33 theory + 11 practice
Credits (ECTS):	8
Course description:	Infant and pediatric physiotherapy is based on the material of the pediatric medical lecture. During the course, students learn about the anatomical and physiological characteristics of childhood, the development of the normal motor system and their pathology, and the complex physiotherapy of neurological, internal medicine and locomotor diseases. During the practice, the student applies the knowledge of patient examination to the individual symptoms. Have an overview of all areas of child rehabilitation and applicable methods. Be able to carry out a motor examination of infants and children and apply the corresponding physiotherapy procedure.
Assessment methods:	practical course grade
Teaching period:	Fall Semester

Physiotherapy XII.

Language of instruction:	English
Form of teaching:	lecture + practice
Class hours per semester:	22 theory + 11 practice
Credits (ECTS):	6
Course description:	Within the scope of the subject, the student learns the indications and contraindications of the physiotherapy procedure applicable during pregnancy and the puerperium period, the structure, the basic principles of compiling applicable practice material, as well as the treatment options for gynecological diseases and urinary retention problems. The subject program also includes the requirements of the exercise program for menopause.
Assessment methods:	practical course grade
Teaching period:	Fall Semester



Gerontology

Language of instruction:	English
Form of teaching:	lecture
Class hours per semester:	11
Credits (ECTS):	6
Course description:	With the help of the knowledge of Geriatrics, the student should be able to provide complex care for the elderly, promote the prevention, treatment and rehabilitation of various diseases by means of physiotherapy.
Assessment methods:	written exam
Teaching period:	Fall Semester

Rheumatology

Language of instruction:	English
Form of teaching:	lecture
Class hours per semester:	22
Credits (ECTS):	6
Course description:	To learn about the pathomechanisms of joints, including cartilage and bone tissue, to master the process of immune mechanism in general, the most important (eg rheumatoid arthritis or pathological processes in other autoimmune diseases. , diagnostic (laboratory, radiological, and other imaging diagnostic, etc.) and general therapeutic aspects, interpretation of data, and, in particular, processing of its sequences of motion therapy. therapeutic, including conservative (including physiotherapeutic, pharmaceutical, etc.), invasive (e.g., surgical, rheumatic, etc.) aspects.
Assessment methods:	written exam
Teaching period:	Fall Semester

Infant and Child Care I.

Language of instruction:	English
Form of teaching:	lecture
Class hours per semester:	22



semester:	
Credits (ECTS):	6
Course description:	The student should get to know the characteristics of premature and mature newborns, gain insight into perinatal intensive care. Get to know the normal development of babies and toddlers and the main characteristics of delayed development, be able to distinguish between normal and abnormal development, and recognize the abnormal early. Expand your knowledge of movement. and/or co-morbidities of mentally disabled or cumulatively disabled children, or on the recognition of the factors influencing physiotherapy. Gain insight into the most important emergency conditions and symptoms affecting children.
Assessment methods:	oral/written exam
Teaching period:	Fall Semester

Obstetrics - Gynaecology

Language of instruction:	English
Form of teaching:	lecture
Class hours per semester:	22
Credits (ECTS):	6
Course description:	The aim of the course is to introduce students to the basics of obstetrics and gynecology clinic based on theoretical subjects. Physiotherapist students should first acquire the knowledge of the symptoms of the disease which are necessary for the recognition of diseases, as well as the examinations and treatment principles necessary for the diagnosis, in which physiotherapy care is basically needed. Students need to know on the skill level the most important surgical interventions, complementary instrumental examinations and therapeutic procedures.
Assessment methods:	written exam
Teaching period:	Fall Semester



Nursing Skills I. (theory and practice)

Language of instruction:	English
Form of teaching:	lecture and practice
Class hours per semester:	14 theory and 26 practice
Credits (ECTS):	8
Course description:	<p>Students should be familiar with the basic concepts, research findings and perspectives of nursing. Be familiar with the specific nursing processes, machines and equipment used in each clinical area. Know the organisational and documentation tasks related to nursing care.</p> <p>The student will acquire the competencies necessary for healthy and safe work, prevent accidents through appropriate behaviour and be able to</p> <p>to act in accordance with regulations, to know and apply patient safety tools, techniques and behaviours to ensure patient safety. Students should acquire knowledge of disinfection.</p> <p>sterilisation and infection control. They will be able to apply their knowledge effectively in their daily work to prevent nosocomial infections.</p> <p>To enable students to perform basic needs-based primary care tasks and to carry out certain nursing interventions. To enable the student to monitor patients using a variety of non-invasive vital signs measurement tools and to be able to report the measurement to a supervisor when necessary and to document the tasks performed in a professional manner. Be able to perform professional patient handling, positioning and comfort of the patient.</p> <p>To prepare the learner to administer enteral medications as prescribed in relation to the administration of various medications. To become familiar with medical aids and their use.</p>
Assessment methods:	practical exam
Teaching period:	Fall Semester



Physiology in Health Science I. theory and practice

Language of instruction:	English
Form of teaching:	lecture and practice
Class hours per semester:	52 theory & 13 practice
Credits (ECTS):	10
Course description:	During the course, the student learns about the physiological functioning of the organ systems, their connections, and their regulatory possibilities, presented in a synthesized and complex way, through the summation of what they have learned previously, and by exploring new connections. She/he deepens her/his knowledge of cell biology, thus interpreting the possibilities of communication between cells. By completing the course, you will know the physiological functioning of a healthy body at the cellular and molecular level, as well as at the level of organs and organ systems, and you will be aware of their regulation. You will be able to recognize health-damaging factors, to separate physiological and pathological functions from each other, to take steps or propose solutions according to your level of competence, and to apply your knowledge during everyday patient care.
Assessment methods:	written digital test on E-teszt system (passed from 60%)
Teaching period:	Spring Semester



Rudiments of Kinesiology II.

Language of instruction:	English
Form of teaching:	lecture + practice
Class hours per semester:	33 theory + 22 practice
Credits (ECTS):	10
Course description:	The student will be familiar with the physiological and pathological movements of the human body, the human locomotion and posture, the differences between normal and pathologic gait, documentation and evaluation of these elements. The student is familiar with the methodology of movement exercises that can be implemented in the spaces adapted for human motion development.
Assessment methods:	practical course grade
Teaching period:	Spring Semester

Anatomy in Health Science II. theory and practice

Language of instruction:	English
Form of teaching:	lecture and practice
Class hours per semester:	26 theory and 13 practice
Credits (ECTS):	10
Course description:	Teaching the proper levels of the structure of the human body so the students are able to understand the anatomic basis of different vital functions during their analysis. Providing sufficient basis for the acquisition of other clinic subjects and necessary knowledge. The subject discusses human organization in the logical order of the organ systems constructing the human body, either briefly or more elaborately according to the needs of the training. During the discussion - wherever it's possible - the course strives to apply the aspects of functional anatomy.
Assessment methods:	semester exam
Teaching period:	Spring Semester



Neurology

Language of instruction:	English
Form of teaching:	lecture
Class hours per semester:	22
Credits (ECTS):	6
Course description:	To familiarize the student with the central and peripheral nervous system's function and their disorders. To get to know the motoric and non-motoric symptomatology of neurological diseases. Clinical examination of neurologic diseases, medical examination of neurologic patients.
Assessment methods:	written exam
Teaching period:	Spring Semester

Physiotherapy IV.

Language of instruction:	English
Form of teaching:	lecture + practice
Class hours per semester:	33 theory + 22 practice
Credits (ECTS):	6
Course description:	Neurological physiotherapy's principles and therapeutic professional guidelines in neurology disease. The student should be able to examine the neurological patient, to develop a short and long term treatment plan and goal of the therapy and to apply the learned physiotherapy procedures in practice. The subjects's aim is furthermore to present the exercise program in the neurological physiotherapy and the rules of the treatment aim and plan.
Assessment methods:	practical course grade
Teaching period:	Spring Semester

Physiotherapy V.

Language of instruction:	English
Form of teaching:	lecture + practice



Class hours per semester:	11 theory + 11 practice
Credits (ECTS):	6
Course description:	In the course the student acquires the basics of psychiatric physiotherapy and the theory of movement treatments for psychiatric patients. The physiotherapist student must be familiar with the individual and / or the physiotherapist, depending on his condition in psychiatric illnesses group movements, nonverbal techniques. During the semester they acquire the basic elements and theory of communicative movement therapy. The student will be able to effectively complement psycho-socio-pharmaco-psychotherapy. The student acquires small and large group movement treatments for psychiatric patients. During the previous semester, you will be able to effectively complement psychiatric socio-pharmaco-psychotherapy, and lead self-guided therapy groups.
Assessment methods:	practical course grade
Teaching period:	Spring Semester

Physiotherapy VI.

Language of instruction:	English
Form of teaching:	lecture + practice
Class hours per semester:	22 theory + 22 practice
Credits (ECTS):	8
Course description:	The student will be familiar with the traumatological diseases, the methods of examination and the physiotherapy methods, depending on the medical care. The student will be able to perform the locomotor examination associated with the given diagnosis, to compile a therapy, therapy plan and to apply the learned physiotherapy procedures in practice. The students will be able to perform a locomotoric examination associated with a given diagnosis, to compile a physiotherapy plan and to apply in practice the physiotherapy procedures learned.
Assessment methods:	practical course grade
Teaching period:	Spring Semester



Physiotherapy VII.

Language of instruction:	English
Form of teaching:	lecture + practice
Class hours per semester:	11 theory + 11 practice
Credits (ECTS):	6
Course description:	The basic objective is for the student to know the procedures that can be performed in the pre- and post-operative stages of surgical interventions, and to independently apply the most commonly used medical procedures in the field of surgery, as well as general and special physiotherapy options.
Assessment methods:	practical course grade
Teaching period:	Spring Semester

Physiotherapy VIII.

Language of instruction:	English
Form of teaching:	lecture + practice
Class hours per semester:	22 theory + 11 practice
Credits (ECTS):	6
Course description:	To familiarize the student with the physiotherapy aspects of orthopedic diseases. Requirement: The student is familiar with the methods of examination of orthopedic physiotherapy and the physiotherapy adapted to each disease.
Assessment methods:	practical course grade
Teaching period:	Spring Semester

Psychiatry

Language of instruction:	English
Form of teaching:	lecture
Class hours per semester:	11
Credits (ECTS):	6



Course description:	The aim of the course is to provide students with an insight not just into the psychopathological symptoms but also the socio-psychiatric aspects of psychiatric illnesses and the impact of mental illnesses on bodily processes. The aim is to learn the forms, symptoms and classification of diseases and to make them suitable for the care of psychiatric patients
Assessment methods:	written exam
Teaching period:	Spring Semester

Surgery

Language of instruction:	English
Form of teaching:	lecture
Class hours per semester:	33
Credits (ECTS):	6
Course description:	Subject objective: The student will be familiar with the effects of trauma and surgical intervention on the body, and their treatment principles. Mechanisms of the formation of each type of injury, diagnostic procedures, treatments in the main lines. The student needs to be aware of the potential complications, the prognosis of injuries, the possibilities and methods of postoperative, post-traumatic rehabilitation in general and for each type of injury. Requirement: At the level of knowledge general traumatological knowledge - injury mechanism, traumatic shock, burn. On the level of skill, based on theoretical knowledge, practical implementation of treatment forms, evaluation of achieved results, recognition of complications
Assessment methods:	written exam
Teaching period:	Spring Semester

Orthopaedics I.

Language of instruction:	English
Form of teaching:	lecture
Class hours per semester:	11
Credits (ECTS):	6



Course description:	Orthopedics in the field of physiotherapist training is of primary importance among clinical subjects. Introduces the physiotherapist students with the congenital and acquired deformities of the musculoskeletal system, degenerative diseases of the joints, with acute and chronic diseases of the musculoskeletal system. It deals with the diagnosis of certain disease patterns, their conservative and surgical treatment, especially with the tasks of the physiotherapist in the prevention and healing process. Encourages self-employment by participating in diagnostics of the disease and requires students to develop a treatment strategy for all orthopedic diseases.
Assessment methods:	written exam
Teaching period:	Spring Semester