



UNIVERSITY OF PÉCS  
FACULTY OF HEALTH SCIENCES

**Study Guide**  
spring semester

# General Information About the Faculty

**DEAN:**

PROF. DR. PONGRÁC ÁCS

PROFESSOR; HEAD OF THE INSTITUTE

**ERASMUS CO-ORDINATOR:**

Dr. Klára Simon

TEL.: +36 (72) 501 500/38473

E-MAIL: klara.simon@etk.pte.hu

POSTAL ADDRESS: H-7623 PÉCS, VÖRÖSMARTY U. 4., HUNGARY

GENERAL INFORMATION FOR INTERNATIONAL STUDENTS:

<https://international.pte.hu/mobility-programs/erasmus/erasmus-incoming-students>

## NURSING

Course Code	Title	Credits	Form of teaching	Language	Semester	Assessment	Description
FANAT22AN12	Anatomy in Health Science II.	4	lecture+practice	English	II.	semester exam	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.
FELETT22AN13	Physiology in Health Science I.	7	lecture+practice	English	II.	semester exam	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.
FBEMI22AN14	Biophysical, biomechanical, and technological studies	2	lecture	English	II.	semester exam	Students should know the basic laws of physics, connected to biological processes. They learn the basic physical background and principles of the diagnostic and imaging procedures used in healthcare.
FEGINF22AN15	IT in Health Care II.	3	practice	English	II.	practical course grade	Basic concepts in information technology. The relationship between the computer and information technology. Operating systems. Acquiring the skills needed to obtain information. Building and editing documentation. The student should be able to navigate in a computer environment, use it in his/her work and keep track of the development of information technology. Be able to edit, format and produce large documents (e.g. thesis).
FAPTN22AN03	Nursing skills I.	4	lecture+practice	English	II.	practical course grade	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. The student will acquire the competencies necessary for healthy and safe work, prevent accidents through appropriate behaviour and be able 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. sterilisation and infection control. They will be able to apply their knowledge effectively in their daily work to prevent nosocomial infections. 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. 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.
FMIKBIOAN16	Microbiology I.	3	lecture	English	II.	semester exam	Introducing the student to general microbiology and parasitology. To familiarise the student with the basic concepts of microbiology, a general characterisation of the disciplines of microbiology, with emphasis on the health aspects.

FDIET22AN17	Dietetics	2	lecture	English	II.	semester exam	To explain the importance of diet as an essential factor in healing, and to summarise the basic knowledge needed to prepare a diet. Task: to enable students to recognise the role of inappropriate dietary factors in the development of certain diseases. To learn about the changes in the energy and nutrient requirements of a sick person in the course of a disease and the importance of diet therapy in the healing process.
FEUMD22AN18	Health management I.	2	lecture	English	II.	practical course grade	not available yet
FTNTK22AN19	Physical education and physical culture I.	2	practice	English	II.	practical course grade	The student will learn about the effects of physical inactivity on individuals and society, and the characteristics of the different forms of physical activity that can be performed in different settings.
	Research methodology and biostatistics I.	2	lecture	English	IV.	semester exam	The course aims to familiarise students with the importance of scientific research, its main characteristics, and its role in health science. The course will help students to plan and conduct scientific research, to write a thesis, and to learn how to think critically about research.
FFZT22MN04	Pharmacology I.	3	lecture	English	IV.	semester exam	Deepening general knowledge of pharmacology, which is important for drug therapy. Students will be introduced to the new therapeutic principles recently introduced in national therapy and learn about the mechanism of action and side effects at the cellular level of newer agents used in the treatment of cardiovascular diseases, diabetes mellitus, respiratory disorders and mental, neurological and musculoskeletal diseases.
TBA	Health communication II.	3	practice	English	IV.	practical course grade	TBA
TBA	Public health, epidemiology	2	lecture	English	IV.	semester exam	TBA
TBA	Hospice	2	lecture	English	IV.	semester exam	TBA
TBA	Home Care	2	practice	English	IV.	practical course grade	TBA
TBA	Clinical diagnostics and decision- making	5	lecture+practice	English	IV.	semester exam	TBA
TBA	Public Care	3	lecture	English	IV.	semester exam	TBA
TBA	Basic clinical knowledge and propedeutics	4	lecture+practice	English	IV.	semester exam	The student should be able to physically examine diseases of various origins, to recognize pathological changes, and to be aware of the basic possibilities of differential diagnostics. Acquire clinical knowledge in a complex, integrated manner by organ system. Students will be familiar with, interpret and present general and specific examination methods and procedures in internal medicine and surgery Assignment: The student will become familiar with the basic elements of physical, traditional laboratory and modern nuclear medicine and computer science. Obtain a basic overview of the diagnostic test method used in the diagnosis of diseases, its implementation techniques and the physiological values obtained and their differences.
FAB17NUN23	Research methodology and biostatistics II.	2	practice	English	VI.	practical course grade	The aim of the course is to familiarise students with the data collection process in scientific research and the statistical methods of analyzing the data generated during research. The course will help students to plan and carry out scientific research and to analyze the data collected during scientific research, thus contributing to the preparation of the thesis, the interpretation of the results of the independent study, and the testing and verification of hypotheses. During the course, data analysis methods will be taught using Microsoft Excel.

FAB17NUN2501	Neurology and nursing theory (clinical theory, nursing theory)	2	lecture	English	VI.	semester exam	<p>Historical overview of neurology. Anatomical - Physiological overview. Structural elements and integrative function of the nervous system. Repetition / review of propedeutic knowledge.</p> <p>Neurological patient examination nursing tasks.</p> <p>Non-invasive and invasive diagnostic procedures with neurological instrumentation and their nursing aspects / nurse tasks.</p> <p>Emergency care in neurology and nursing assignments.</p> <p>Knowledge of the principles of care of emergency (closed, open) skull injuries and the tasks of the nurse.</p> <p>Neurological disorders caused by disorders of cerebral circulation. STROKE and Nursing Tasks. Causes, symptoms, diagnosis, therapy and prevention of Multiple Sclerosis and nursing tasks.</p> <p>Causes, symptoms, diagnosis, therapy and prevention of Parkinson's Disease and nursing tasks.</p> <p>Causes, symptoms, diagnosis, therapy and prevention of Myasthenia Gravis and Polyneuropathy and nursing tasks.</p> <p>Definition and symptoms, types, treatment of Polyneuropathy and nursing tasks.</p> <p>Inflammatory diseases of the nervous system and nursing tasks.</p> <p>Skull injuries, headache and and nursing tasks.</p> <p>Epilepsy and nursing tasks.</p> <p>Dementia, Alzheimer's disease and nursing tasks.</p> <p>Benign and malignant brain tumors and nursing tasks.</p> <p>Alcohol-related diseases, encephalopathies and nursing tasks.</p> <p>International classification of sleep and wake disorders (ICSD-3, 2014) and nursing tasks</p>
FAB17NUN2502	Neurology and nursing theory simulation/skill practice	1	practice	English	VI.	practical course grade	
FAB17NUN2503	Neurology and nursing theory clinical practice	4	practice	English	VI.	practical course grade	
FAB17NUN2601	Obstetrics-gynecology and nursing theory (clinical theory, nursing theory)	2	lecture	English	VI.	semester exam	<p>Obstetrics - Gynecology Historical Overview. Legislation. Anatomical - Physiological Overview.</p> <p>Embryology and fetal development. Nursing tasks of pregnant women, special aspects of pregnancy counseling, legal regulation. Abnormal pregnancy. Bleeding during pregnancy. Diabetes mellitus.</p> <p>Preeclampsia. Other disorders. Childbirth signs, process.</p> <p>Newborn care. Abnormal childbirth. Postpartum surgery. Obstetric anesthesia. Physiological post-partum condition. Abnormal cot. Pediatric Gynecology, Nursing process specifics, rehabilitation options. Bleeding disorders. Inflammatory diseases of the female genitalia.</p> <p>Gynecological operations, tasks of nurses of Perioperative specialty. Gynecological operations, tasks of nurses of Perioperative specialty. Gynecological tumors. Endometriosis, Infertility, Menopause, Polycystic Ovarian Syndrome (PCO).</p>
FAB17NUN2602	Obstetrics-gynaecology and nursing theory simulation/skill practice	1	practice	English	VI.	practical course grade	
FAB17NUN2603	Obstetrics-gynaecology and nursing theory clinical practice	4	practice	English	VI.	practical course grade	
FAB17NUN2701	Infant medicine-pediatrics and nursing theory (clinical theory, nursing theory)	2	lecture	English	VI.	semester exam	<p>Clinical knowledge is acquired in a complex in nursing care, integrated manner according to age and organ systems. Diagnostic, therapeutic and preventive aims of the complex acquisition of the anatomical, physiological, pathophysiological, pathological, clinical and pharmacological knowledge of the given organ system.</p>

FAB17NUN2801	Oncology and nursing theory (clinical theory, nursing theory)	2	lecture	English	VI.	semester exam	<p>Competencies:</p> <p>Having the theoretical knowledge he / she is capable / fit</p> <ul style="list-style-type: none"> <li>- properly synthesized in understanding the causes and symptoms of anatomical, physiological, pathophysiological, pharmacological and clinical diseases.</li> <li>- conducting complex physical patient examinations, medical history, patient examination algorithms, application of state of mind scales, evaluation of the results of certain laboratory and imaging examinations, detection of changes in state and parameters and appropriate action.</li> <li>- Ability to summarize and analyze examination procedures and see in context the guidelines for disease management.</li> <li>- identifying the patient's specific needs, making a diagnosis of nursing care, and performing professional tasks based on priorities and contributing to the therapy being applied.</li> <li>-to meet basic and higher human needs.</li> <li>-planning of nursing activities.</li> <li>-carry out invasive and non-invasive nursing interventions independently and responsibly.</li> <li>-efficient and flexible provision of nursing care.</li> <li>-Comprehensive understanding of the causes, symptoms, diagnosis, therapy of illnesses, and the related training and coaching of patients at all levels of care.</li> <li>-independently compile a nursing care plan and process that complies with national and international standards and manage this work of nurses.</li> <li>-to perform work organization, storage, client education and application tasks related to the indication, mechanism of action, interactions, side effects of the applied classes of medicines, and to prescribe medicines and doses according to protocols.</li> <li>-the foundation of a healthy lifestyle, the development of health, the development and implementation of activities related to health counseling. in health, social, educational and educational institutions, non-governmental organizations to develop the conditions for health promotion, to develop health promotion projects; implementing health promotion, lifestyle programs, coordinating work, and teaching knowledge and skills in the area.</li> <li>-the effective application of professional knowledge, adherence to professional policies, protocols, laws and the transmission and transfer of scientifically sound paradigms generally accented in the</li> </ul>
FAB17NUN29	Dietetics	2	lecture	English	VI.	semester exam	<p>In the course the student becomes acquainted with the basic concepts of dietetics: energy household, energy balance, and the role and function of macro- and micronutrients, other antinutritive agents in the human body. It gives an insight into the epidemiology of nutrition and the background of dietetics-focused issues affecting the world.</p>
FAB17NUN40	Health Care management I.	2	lecture	English	VIII.	practical course grade	
FAB17NUN42	Public hygiene-epidemiology	2	lecture	English	VIII.	practical course grade	<ol style="list-style-type: none"> <li>1.History of Public Health</li> <li>2.Mother and child health</li> <li>3.Child and youth health</li> <li>4.Ageing, elderly health</li> <li>5.Epidemiological studies</li> <li>6.Bias, confounder</li> <li>7.Demography</li> <li>8.Ecology</li> <li>9.Health effects of enviromental physical exposures</li> <li>10.Health Policy</li> <li>11.Social risk factors</li> <li>12.Nutritional epidemiology I.</li> <li>13.Nutritional epidemiology II.</li> </ol>

**PHYSIOTHERAPY**

Course Code	Title	Credits	Form of teaching	Language	Semester	Assessment	Description
FANAT22AN12	Anatomy in Health Science II.	4	lecture+practice	English	II.	semester exam	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.
FELETT22AN13	Physiology in Health Science I.	7	lecture+practice	English	II.	semester exam	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.
FBEMI22AN14	Biophysical, biomechanical, and technological studies	2	lecture	English	II.	semester exam	Students should know the basic laws of physics, connected to biological processes. They learn the basic physical background and principles of the diagnostic and imaging procedures used in healthcare.
FEGINF22AN15	IT in Health Care II.	3	practice	English	II.	practical course grade	Basic concepts in information technology. The relationship between the computer and information technology. Operating systems. Acquiring the skills needed to obtain information. Building and editing documentation. The student should be able to navigate in a computer environment, use it in his/her work and keep track of the development of information technology. Be able to edit, format and produce large documents (e.g. thesis).
FESNY22AN03	First Aid	4	lecture+practice	English	II.	semester exam	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 (eg. unconsciousness, foreign body airway obstruction, severe bleeding, wounds, different injuries, internal medicine problems, intoxication) and the practical implementation of these situation, as well.
FMIKBIOAN16	Microbiology I.	3	lecture	English	II.	semester exam	To familiarise the student with general microbiology and parasitology. To familiarise the student with the basic concepts of microbiology, a general characterisation of the disciplines of microbiology, with emphasis on the health aspects.
FDIET22AN17	Dietetics	2	lecture	English	II.	semester exam	To explain the importance of diet as an essential factor in healing, and to summarise the basic knowledge needed to prepare a diet. To enable students to recognise the role of inappropriate nutritional factors in the development of certain diseases. To learn about the changes in the energy and nutritional needs of a sick person in the course of a disease and the importance of diet therapy in the healing process.
FEUMD22AN18	Health management I.	2	lecture	English	II.	semester exam	TBA
FTNTK22AN19	Physical education and physical culture I.	2	practice	English	II.	practical course grade	The student will learn about the effects of physical inactivity on individuals and society, and the characteristics of the different forms of physical activity that can be performed in different settings.

	Research methodology and biostatistics I.	2	lecture	English	IV.	semester exam	The course aims to familiarise students with the importance of scientific research, its main characteristics, and its role in health science. The course will help students to plan and conduct scientific research, to write a thesis, and to learn how to think critically about research.
FFZT22MN04	Pharmacology I.	3	lecture	English	IV.	semester exam	Deepening general knowledge of pharmacology, which is important for drug therapy. Students will be introduced to the new therapeutic principles recently introduced in national therapy and learn about the mechanism of action and side effects at the cellular level of newer agents used in the treatment of cardiovascular diseases, diabetes mellitus, respiratory disorders and mental, neurological and musculoskeletal diseases.
TBA	Health communication II.	3	practice	English	IV.	practical course grade	TBA
TBA	Public health, epidemiology	2	lecture	English	IV.	semester exam	TBA
TBA	Rudiments of Kinesiology II.	5	lecture+practice	English	IV.	practical course grade	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, and 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.
TBA	Physiotherapy I.	2	lecture+practice	English	IV.	semester exam	TBA
TBA	Movement and massage therapy I.	5	lecture+practice	English	IV.	practical course grade	The student learns diagonal movement patterns and techniques based on theory. Requirement: At the skill level, you should apply PNF exercises in case of specified clinical problems.
TBA	Functional analysis and examination of movement I.	5	lecture+practice	English	IV.	practical course grade	To familiarize the student with the correct and complex musculoskeletal examination, which forms the basis for the mapping of pathological abnormalities and the planning of proper treatment.
FAB17PHN36	Research methodology and biostatistics II.	2	practice	English	VI.	practical course grade	The aim of the course is to familiarise students with the data collection process in scientific research and the statistical methods of analyzing the data generated during research. The course will help students to plan and carry out scientific research and to analyze the data collected during scientific research, thus contributing to the preparation of the thesis, the interpretation of the results of the independent study, and the testing and verification of hypotheses. During the course, data analysis methods will be taught using Microsoft Excel.
FAB17PHN38	Neurology I.	2	lecture	English	VI.	semester exam	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.
FAB17PHN3901	Physiotherapy IV. theory	2	lecture	English	VI.	semester exam	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.
FAB17PHN3902	Physiotherapy IV. practice	2	practice	English	VI.	practical course grade	The student will 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
FAB17PHN40	Psychiatry I.	1	lecture	English	VI.	semester exam	The aim of the course is to provide students with an insight into 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.
FAB17PHN4101	Physiotherapy V. theory	2	lecture	English	VI.	semester exam	In the course the student acquires the basics of psychiatric physiotherapy and the theory of movement treatments 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 s for emester they acquire the basic elements and theory of communicative movement therapy. The student will be able to effectively complement psycho-socio-pharmaco-psychotherapy.



FAB17PHN4102	Physiotherapy V. practice	2	practice	English	VI.	practical course grade	The student acquires small and large group 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. During the previous semester, you will be able to effectively complement psychiatric socio-pharmaco-psychotherapy, and lead self-guided therapy groups.
FAB17PHN42	Surgery I.	1	lecture	English	VI.	semester exam	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.
FAB17PHN4301	Physiotherapy VI. theory	2	lecture	English	VI.	semester exam	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. Requirement: the students have to be familiar with physiotherapeutic examination methods and the physiotherapy adapted to the individual trauma disorders. 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.
FAB17PHN4302	Physiotherapy VI. practice	2	practice	English	VI.	practical course grade	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
FAB17PHN4401	Physiotherapy VII. theory	2	lecture	English	VI.	semester exam	It is a fundamental objective for the student to master the procedures and the self-application of the pre- and postoperative stages of surgical interventions. the most common and special physiotherapy options used in surgery.
FAB17PHN4402	Physiotherapy VII. practice	2	practice	English	VI.	practical course grade	It is a fundamental objective for the student to master the procedures and the self-application of the pre- and postoperative stages of surgical interventions. the most common and special physiotherapy options used in surgery
FAB17PHN45	Orthopaedics I.	1	lecture	English	VI.	semester exam	Orthopedics in the field of physiotherapist training is essential for clinical subjects. With the congenital and acquired deformities of the musculoskeletal system, degenerative diseases of the joints, the musculoskeletal system introduces the physiotherapist students with acute and chronic diseases of the musculoskeletal system. It deals with the diagnosis, conservative and surgical treatment of certain diseases, 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.
FAB17PHN4601	Physiotherapy VIII. theory	2	lecture	English	VI.	semester exam	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.
FAB17PHN4602	Physiotherapy VIII. practice	2	practice	English	VI.	practical course grade	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.
FAB17PHN61	Health Sociology	3	lecture	English	VIII.	semester exam	
FAB17PHN62	Health Psychology	2	lecture	English	VIII.	semester exam	

FAB17PHN63	Communication in health care II.	2	practice	English	VIII.	practical course grade	Description of the general regularities of health communication (verbal communication, non-verbal communication, active listening, empathy, helpful consultation, the complex issue of patient information, therapeutic patient education and joint decision-making are learning-theoretical and cognitive models of persuasion) Presentation of the communication characteristics of the work in the various areas of the supportive consultation. (multicultural communication, communication of bad news, communicative treatment options for aggression and self-aggression vs. suicide, supportive communication for children, the elderly, physically/mentally traumatized patients, communication specifics of palliative care, communication of treatment errors and mistakes
FAB17PHN6401	Health education-health promotion I. theory	2	lecture	English	VIII.	semester exam	
FAB17PHN6402	Health education-health promotion I. practice	2	practice	English	VIII.	practical course grade	
FAB17PHN65	Health Care management	2	lecture	English	VIII.	semester exam	
FAB17PHN66	Public hygiene-epidemiology	2	lecture	English	VIII.	semester exam	Students will learn the most important epidemiological indexes describing the medical status of public health, also the burdens of the main risk factors on an international level, and the public health efforts in order to suppress the harmful risk behaviour forms. They will become familiar with the main characteristics of the leading diseases and causes of death, and will get an insight to the main activities of public health.

### MIDWIFERY

Course Code	Title	Credits	Form of teaching	Language	Semester	Assessment	Description
FAB17MIN28	Research methodology and biostatistics II.	2	practice	English	VI.	practical course grade	The aim of the course is to familiarise students with the data collection process in scientific research and the statistical methods of analyzing the data generated during research. The course will help students to plan and carry out scientific research and to analyze the data collected during scientific research, thus contributing to the preparation of the thesis, the interpretation of the results of the independent study, and the testing and verification of hypotheses. During the course, data analysis methods will be taught using Microsoft Excel.
FAB17MIN29	IT in Health Care II.	3	practice	English	VI.	practical course grade	Basic concepts in information technology. The relationship between the computer and information technology. Operating systems. Acquiring the skills needed to obtain information. Building and editing documentation. The student should be able to navigate in a computer environment, use it in his/her work and keep track of the development of information technology. Be able to edit, format and produce large documents (e.g. thesis).
FAB17MIN3001	Transfusiology theory	1	lecture	English	VI.	semester exam	The aim of the course: during the course the student gets to know the significance and history of transfusionology, the indications of blood transfusion. Learns about blood group systems, their genetic characteristics. He gets acquainted with the individual blood products and transfusion replacement procedures. You will get an insight into the production and forms of blood products. By completing the course, you will be able to recognize, evaluate, and resolve transfusion-related complications.
FAB17MIN3002	Transfusiology practice	1	practice	English	VI.	practical course grade	The aim of the course: during the course the student gets to know the significance and history of transfusionology, the indications of blood transfusion. Learns about blood group systems, their genetic characteristics. He gets acquainted with the individual blood products and transfusion replacement procedures. You will get an insight into the production and forms of blood products. By completing the course, you will be able to recognize, evaluate, and resolve transfusion-related complications.

FAB17MIN3101	Developmental neurology theory	2	lecture	English	VI.	semester exam	Understanding of the mechanism of neurological disorders, symptoms, modern examination and treatment. Knowledge of prevention. Early detection of neurological damage. Development of the nervous system. Learning about abnormal brain development. Newborn brain damage, stroke, hypoxia. Development of movement. Muscle tone, muscular tone distribution disorders. Pathological movement control Spatial orientation, intellectual development Cognitive functions Peripheral nerve damage. Spina bifida. Hydrocephalus Newborn Cramps and Treatment. Neurotherapy, neurohabilitation training. Role of family in treatment
FAB17MIN32	Neurology	2	lecture	English	VI.	semester exam	
FAB17MIN33	Complementary medicine I.	2	lecture	English	VI.	semester exam	
FAB17MIN3401	Obstetrics and gynaecology III. clinical theory	2	lecture	English	VI.	semester exam	Students will acquire the proper knowledge about interventions and examinations performed during pregnancy and will learn adequate communication through the course. Repetitive presentation of basic nursing examinations e.g. measuring blood pressure, blood sugar test etc. with the expectant in focus. Students know the tasks of physiological pregnancy and physiological childbirth.
FAB17MIN3402	Obstetrics and gynaecology III. nursing theory	2	lecture	English	VI.	semester exam	In the course, the obstetrician student learns the tasks of physiological and pathological pregnancy and physiological childbirth.
FAB17MIN3403	Obstetrics and gynaecology III. simulation/skill practice	2	practice	English	VI.	practical course grade	Students will acquire the proper knowledge about interventions and examinations performed during pregnancy and will learn adequate communication through the course. Repetitive presentation of basic nursing examinations e.g. measuring blood pressure, blood sugar test etc. with the expectant in focus. Students know the tasks of physiological pregnancy and physiological childbirth.
FAB17MIN3501	Obstetrics and gynaecology IV. theory	2	lecture	English	VI.	semester exam	In the course of Obstetrics and Gynecology, the Midwife student learns the basics of Obstetrics and Gynecology, and performs tasks related to physiological pregnancy and childbirth.
FAB17MIN3502	Obstetrics and gynaecology IV. simulation/skill practice	1	practice	English	VI.	practical course grade	Getting to know the gynecological department session, assessing the treatment of conditions
FAB17MIN43	Health Sociology	3	lecture	English	VIII.	semester exam	
FAB17MIN44	Health Psychology I.	2	lecture	English	VIII.	semester exam	
FAB17MIN45	Communication in health care II.	2	practice	English	VIII.	practical course grade	Description of the general regularities of health communication (verbal communication, non-verbal communication, active listening, empathy, helpful consultation, the complex issue of patient information, therapeutic patient education and joint decision-making are learning-theoretical and cognitive models of persuasion) Presentation of the communication characteristics of the work in the various areas of the supportive consultation. (multicultural communication, communication of bad news, communicative treatment options for aggression and self-aggression vs. suicide, supportive communication for children, the elderly, physically/mentally traumatized patients, communication specifics of palliative care, communication of treatment errors and mistakes
FAB17MIN4601	Health education-health promotion I. theory	2	lecture	English	VIII.	semester exam	
FAB17MIN4602	Health education-health promotion I. practice	2	practice	English	VIII.	practical course grade	
FAB17MIN47	Health Care management	2	lecture	English	VIII.	semester exam	
FAB17MIN48	Public hygiene-epidemiology	2	lecture	English	VIII.	semester exam	Students will learn the most important epidemiological indexes describing the medical status of public health, also the burdens of the main risk factors on an international level, and the public health efforts in order to suppress the harmful risk behaviour forms. They will become familiar with the main characteristics of the leading diseases and causes of death, and will get an insight to the main activities of public health.

## DIETITIAN

Course Code	Title	Credits	Form of teaching	Language	Semester	Assessment	Description
FANAT22AN12	Anatomy in Health Science II.	4	lecture+practice	English	II.	semester exam	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.
FELETT22AN13	Physiology in Health Science I.	7	lecture+practice	English	II.	semester exam	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.
FBEMI22AN14	Biophysical, biomechanical, and technological studies	2	lecture	English	II.	semester exam	Students should know the basic laws of physics, connected to biological processes. They learn the basic physical background and principles of the diagnostic and imaging procedures used in healthcare.
FEGINF22AN15	IT in Health Care II.	3	practice	English	II.	practical course grade	Basic concepts in information technology. The relationship between the computer and information technology. Operating systems. Acquiring the skills needed to obtain information. Building and editing documentation. The student should be able to navigate in a computer environment, use it in his/her work and keep track of the development of information technology. Be able to edit, format and produce large documents (e.g. thesis).
FAPTN22AN03	Nursing skills I.	4	lecture+practice	English	II.	practical course grade	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. The student will acquire the competencies necessary for healthy and safe work, prevent accidents through appropriate behaviour and be able 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. sterilisation and infection control. They will be able to apply their knowledge effectively in their daily work to prevent nosocomial infections. 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. 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.
FMIKBIOAN16	Microbiology I.	3	lecture	English	II.	semester exam	Introducing the student to general microbiology and parasitology. To familiarise the student with the basic concepts of microbiology, a general characterisation of the disciplines of microbiology, with emphasis on the health aspects.

FDIET22AN17	Dietetics	2	lecture	English	II.	semester exam	To explain the importance of diet as an essential factor in healing, and to summarise the basic knowledge needed to prepare a diet. Task: to enable students to recognise the role of inappropriate dietary factors in the development of certain diseases. To learn about the changes in the energy and nutrient requirements of a sick person in the course of a disease and the importance of diet therapy in the healing process.
FEUMD22AN18	Health management I.	2	lecture	English	II.	practical course grade	not available yet
FTNTK22AN19	Physical education and physical culture I.	2	practice	English	II.	practical course grade	The student will learn about the effects of physical inactivity on individuals and society, and the characteristics of the different forms of physical activity that can be performed in different settings.
	Research methodology and biostatistics I.	2	lecture	English	IV.	semester exam	The course aims to familiarise students with the importance of scientific research, its main characteristics, and its role in health science. The course will help students to plan and conduct scientific research, to write a thesis, and to learn how to think critically about research.
FFZT22MN04	Pharmacology I.	3	lecture	English	IV.	semester exam	Deepening general knowledge of pharmacology, which is important for drug therapy. Students will be introduced to the new therapeutic principles recently introduced in national therapy and learn about the mechanism of action and side effects at the cellular level of newer agents used in the treatment of cardiovascular diseases, diabetes mellitus, respiratory disorders and mental, neurological and musculoskeletal diseases.
TBA	Health communication II.	3	practice	English	IV.	practical course grade	TBA
TBA	Public health, epidemiology	2	lecture	English	IV.	semester exam	TBA
TBA	Microbiology II.	3	lecture+practice	English	IV.	semester exam	The students need to know the basic, general microbiology and hygiene knowledge's (bacteriology, virology, parasitology), which are helps to understand and learn the special requirements of the subject. The students need to be able to use this food-microbiology and toxicology knowledge's in the practice.
TBA	Dietetics II.	2	lecture	English	IV.	semester exam	TBA
TBA	Food preparation II.	6	lecture+practice	English	IV.	semester exam	The knowledge of the healthy nutrition by the theoretically and practically food preparation techniques. The knowledge of the specific of different food groups. The energy and nutrient needs of different age groups, and the rules of the menu planning. The students need to get widespread information about catering industry, the history of the catering, main exercises, different scope of business, personal and device needs, and economic and marketing knowledge's.
TBA	Food preparation III.	4	lecture+practice	English	IV.	practical course grade	Mastering the theoretical and practical aspects of cooking technologies essential to the achievement of a healthy diet. Understand the characteristics of each food group. A theoretical overview of the energy and nutrient requirements of different age groups and aspects of their diet planning.
TBA	Clinical Dietetics I.	2	lecture	English	IV.	semester exam	Our aim is to give a knowledge which is useful in a theoretical and practical too, and the student is able to understand the nutrition recommendations in different diseases. Our aim is to teach the students to the role of the macro and micronutrients in healthy or sick persons, and use in the prevention and dietotherapy
TBA	Health psychology I	2	lecture	English	IV.	practical course grade	Student should know basic concepts of nutrition psychology, the most common eating disorders, their typical symptoms and causes. Learn about different therapeutic options and methods. Prepare the student to meet patients with eating disorders. Develop an empathetic, attentive and accepting attitude towards patients. Deepen the student's human and self-knowledge.

TBA	Internal medicine I.	4	lecture+field practice	English	IV.	semester exam	The students know the specifics of the internal diseases, the symptoms, the clinical appearance, the laboratory differences and the therapy of the diseases. The important diseases are which have special nutritional aspect.
FAB17DIN30	Research methodology and biostatistics II.	2	practice	English	VI.	practical course grade	The aim of the course is to familiarise students with the data collection process in scientific research and the statistical methods of analyzing the data generated during research. The course will help students to plan and carry out scientific research and to analyze the data collected during scientific research, thus contributing to the preparation of the thesis, the interpretation of the results of the independent study, and the testing and verification of hypotheses. During the course, data analysis methods will be taught using Microsoft Excel.
FAB17DIN31	IT in Health Care II.	3	practice	English	VI.	practical course grade	Basic concepts in information technology. The relationship between the computer and information technology. Operating systems. Acquiring the skills needed to obtain information. Building and editing documentation. The student should be able to navigate in a computer environment, use it in his/her work and keep track of the development of information technology. Be able to edit, format and produce large documents (e.g. thesis).
FAB17DIN3201	Dietetics IV. theory	3	lecture	English	VI.	semester exam	Students learn about the dietary aspects and dietary therapy of each disease with regard to the energy and nutrient content to be provided, the commodities to be used, the foods and the cooking methods to be used.
FAB17DIN3202	Dietetics IV. practice	5	practice	English	VI.	practical course grade	Students will have a theoretical knowledge of dietetics and will be able to practice a dietetic procedure / nutrition therapy. Classroom: During the practice, students learn to record nutritional history through role play. They carry out anthropometric measurements, give lectures on the subject of dietetics, and produce a booklet. With the help of case studies, they learn the principle of diet therapy. Inpatient Department (Hospital): During the exercise, students, following a review of hospital documentation, will have a nutritional history of the patient, based on the theoretical and practical aspects of diet therapy, will determine the patient's energy and nutrient needs and determine the optimal diet for the patient.
FAB17DIN3301	Dietetics V. theory	2	lecture	English	VI.	practical course grade	The subject contains the dietotherapy theory and practical knowledges, and the student is able to select from the ingredients and food preparation technologies. The subject contains the special diets practical knowledges too.
FAB17DIN3302	Dietetics V. practice	3	practice	English	VI.	practical course grade	The subject contains the dietotherapy theory and practical knowledges, and the student is able to select from the ingredients and food preparation technologies. The subject contains the special diets practical knowledges too.
FAB17DIN34	Health Politics	3	lecture	English	VI.	practical course grade	The students need to know the options of eating habits, the investigation of nutritional status. He/she need to know the important diseases nutritional aspects, and the risk factors in these. He/she need to know the social-cultural-political factors, and the epidemiological methods, which are used to solve the nutritional problems. Also important to these factors analysis in the XXI. century.
FAB17DIN35	Health Care management II.	3	lecture	English	VI.	practical course grade	General understanding of the requirements and rules governing the composition, quality and labeling of foodstuffs. Achieve the ability of the student to distinguish between voluntary, corporate quality assurance and food safety regulatory duties that help meet marketable food quality standards. It is necessary for the student to master the quality criteria and become familiar with modern (ISO, TQM, EMAS, etc.) quality assurance systems. Learn the basic principles of Good Hygiene Practice (GHP) and Hazard Analysis Critical Control Point (HACCP) procedures to ensure that basic hygiene knowledge is applied in practice. In the field of food safety, learn about the steps of risk analysis and methods of tracing nutrient contaminants. Acquire and apply in practice the corporate voluntary and regulatory requirements

FAB17DIN36	Functional foods	2	lecture	English	VI.	practical course grade	The student need to know the definition of functional foods from the strategical important food groups, and the types of the classification and the special marketing activity. The history of enrichment, fields of application can help to orient through the food groups. The subject gives important knowledges about the supplementatum production and legalisation.
FAB17DIN37	Everyday nutrition I.	4	lecture	English	VI.	practical course grade	The aim of the subject is to teach the definition and origin of sport, and the changes in the sport nutrition. To introduce the national and international meaning of sport nutrition. To introduce the sport performance, physiological background, and the connection of nutrition and activity. To teach the special sport specific energy and nutrient needs, the roles of different food groups in case of special nutrition. The types of the dietary supplements and dangerous use of these. The correct plan of the menu which is affected by the macro and micronutrients, and planned with NutriComp Sport program. The effect of sport and nutrition to different organs, and immunsystem and a view to the future options.
FAB17DIN3801	Health Care management III. theory	4	lecture	English	VI.	semester exam	To acquaint students with the tasks of institutional financing and therules of food management. Students will acquire the theoretical and practical knowledge necessaryto understand the interrelationship between the economics and workflows ofhealth institutions and other public catering settings
FAB17DIN46	Health Sociology	3	lecture	English	VIII.	semester exam	
FAB17DIN15	Health Psychology I.	2	lecture	English	VIII.	semester exam	
FAB17DIN48	Communication in health care II.	2	practice	English	VIII.	practical course grade	Description of the general regularities of health communication (verbal communication, non-verbal communication, active listening, empathy, helpful consultation, the complex issue of patient information, therapeutic patient education and joint decision-making are learning-theoretical and cognitive models of persuasion) Presentation of the communication characteristics of the work in the various areas of the supportive consultation. (multicultural communication, communication of bad news, communicative treatment options for aggression and self-aggression vs. suicide, supportive communication for children, the elderly, physically/mentally traumatized patients, communication specifics of palliative care, communication of treatment errors and mistakes
FAB17DIN4901	Health education-health promotion I. theory	2	lecture	English	VIII.	semester exam	
FAB17DIN4902	Health education-health promotion I. practice	2	practice	English	VIII.	practical course grade	
FAB17DIN50	Health Care management IV	2	lecture	English	VIII.	practical course grade	
FAB17DIN51	Public hygiene-epidemiology	2	lecture	English	VIII.	semester exam	Students will learn the most important epidemiological indexes describing the medical status of public health, also the burdens of the main risk factors on an international level, and the public health efforts in order to suppress the harmful risk behaviour forms. They will become familiar with the main characteristics of the leading diseases and causes of death, and will ge an insight to the main activities of public health.