



UNIVERSITY OF PÉCS
FACULTY OF HEALTH SCIENCES

Study Guide
spring semester

General Information About the Faculty

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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.
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.
FABAP22AN34	Health communication II.	3	practice	English	IV.	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 arenas 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
FABAP22AN35	Public health, epidemiology	2	lecture	English	IV.	semester exam	Study material: Students will learn the most important epidemiological indexes describing the medical status of public health. Will also learn the burden of the main risk factors on an international level, and the public health efforts in order to suppress the harmful risk behavior forms. They will become familiar with the main characteristics of the leading diseases and causes of death, and will get an insight into the main activities of public health. Competences: Students, with the knowledge above, will be able to assess the medical status of the population, define the priorities that might need treatment, and will be able to draw up an effective intervention. Also, will be able to actively cooperate in solving public health concerns, and assess the medical status and effectiveness of prevention activities relating to the population of an area based on their epidemiologic knowledge.

FABAP22AN36	Hospice	2	lecture	English	IV.	semester exam	<p>Throughout the program, the students will deliver a comprehensive and nuanced exploration of the essential aspects of hospice care. This includes a profound examination of symptom management, end-of-life communication strategies, ethical considerations, and the holistic approach to patient and family support. Participants will gain a profound understanding of the various components of hospice care, such as pain and symptom assessment, emotional and spiritual support, and the management of complex end-of-life scenarios.</p> <p>The course will equip participants with the knowledge and skills necessary to navigate the unique challenges of hospice care, emphasizing the importance of compassionate and individualized care for patients facing life-limiting illnesses. It will delve into the ethical considerations surrounding end-of-life decisions, advance care planning, and the collaborative nature of interdisciplinary hospice teams. Participants will develop a keen awareness of cultural competence, communication strategies, and the crucial role of empathy in fostering a supportive environment for both patients and their families.</p> <p>Upon completion of the program, participants will be proficient in tailoring hospice care plans to meet the specific needs of each patient, taking into account their medical condition, personal preferences, and the psychosocial dynamics at play. This knowledge will empower you exemplary care, ensuring dignity, comfort, and quality of life for patients during their end-of-life journey.</p>
FABAP22AN37	Home Care	2	practice	English	IV.	practical course grade	
FABAP22AN38	Clinical diagnostics and decision- making	5	lecture+practice	English	IV.	semester exam	<p>Knowledge: During the course, the nursing student will become familiar with the symptom complexes of emergency conditions, the laboratory and imaging diagnostic methods of the most common conditions encountered in emergency care, their limitations, and indicators of clinical evaluation (sensitivity, specificity, predictive values). They will be capable of understanding/performing actions appropriate to provisional diagnosis and timeframes, interpreting individual tests and their sequence, participating in preparation, evaluating and interpreting findings. Students will acquire theoretical knowledge in the fundamentals of EKG analysis, be able to recognize basic pathological deviations, respond appropriately, and identify life-threatening arrhythmias and initiate treatment.</p> <p>Competencies: Moreover, they will be able to inform the patient or their relatives about the confirmed diagnosis and any possible uncertainties. They will be able to provide professional, synthesized information to colleagues and professionals involved in patient care about the necessity and indications of diagnostic requests and the current examination results. During theoretical classes, students will learn the steps of analysis based on presenting various abnormal EKG curves and case studies, and they will recognize the most common and malignant arrhythmias.</p>
FABAP22AN39	Public Care	3	lecture	English	IV.	semester exam	<p>Knowledge gained during the studies: The science of protecting and improving the health of people and their communities. This work is achieved by promoting healthy lifestyles, researching disease and injury prevention, and detecting, preventing and responding to diseases. The student gets familiar with the specific clinical pictures of a wide range of health conditions that might come up at the family medicine practice, concerning a wide range of age groups and diseases, specifically from a primary care point of view.</p> <p>Learning about the primary, secondary and tertiary prevention options for the adult population (from the age of 18) belonging to the family doctor's practice and active participation in the district-community activities related to them.</p>

FABAP22AN4001	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.
FABAP22AN46	Research methodology and biostatistics II.	3	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.
FABAP22AN4701	Oncology and nursing theory	3	lecture	English	VI.	semester exam	General oncology, Etiology of cancerous diseases, Cancer Prevention, Radiation Therapy, Chemotherapy Surgical treatment of cancer, Surgical technics for tissue diagnosis, Less invasive surgical approaches, Planning surgical resection, Reconstruction, Rehabilitation, Oncological emergencies Head and neck malignancies, Carcinoma of the larynx, Lung cancer Gastrointestinal malignancies, Esophagus cancer, Gastric Cancer, Pancreatic Cancer, Intestinal Cancer, Colorectal cancer Gynecological malignancies, Cervical cancer, Ovarian Cancer, Endometrial cancer, Breast cancer, Testicular cancer, Urinary tract tumors (kidneys, bladder) Central nervous system tumors (benign and malignant brain tumors, spinal and spinal cancers, meningeal tumors) Tumors of sensory organs (ocular eye, acoustic neurinoma, skin cancers: carcinoma basocellulare, basalioma, melanoma malignancy, Kaposi's sarcoma) Bone and soft tissue tumors (giant cell bone tumors, chondrosarcoma, desmoid, soft tissue tumors) Myeloproliferative disorders and myelodysplastic disorders (acute, chronic leukemia, myelodysplastic syndrome, polycythemia vera) Lymphomas (Hodgking, non-Hodgking lymphoma, myeloid multiplex)
FABAP22AN4702	Oncology and nursing theory field practice	0	field practice	English	VI.	signature	Admission of the patient to the hospital, nursing tasks Patient observation, anamnesis recording. Physical examination (inspectio, auscultatio, palpatio, percussio) Management of health documentation, 24-hour monitoring sheet, application of electronic documentation Observe surgical patient examination Performing a PVC insertion Venous blood sampling and evaluation Implementation of infusion therapy - composition of infusion Using a perfusor (infusion pump) Drainage of a nasogastric tube Monitoring the composition of different cytostatic agents Use of cytostatic agents, biological therapy

FABAP22AN4801	Internal medicine and nursing theory II. theory	4	lecture	English	VI.	semester exam	<p>Knowledge material: Clinical knowledge is acquired in a complex integrated form, organ system by organ system. Anatomical, physiological, pathological, pathological, clinical and pharmacological knowledge of a given organ system is acquired in a complex integrated way with the aim of diagnosis, therapy and prevention.</p> <p>Competences: detecting cardinal symptoms, detecting patient consciousness, monitoring pain, measuring oxygen saturation (pulse oximetry), recognising emergencies, assisting with parenteral administration, transfusion, intravenous infusion, hygiene, etc.</p>
FABAP22AN4802	Internal medicine and nursing theory II. practice	4	practice	English	VI.	practical course grade	<p>The goal is to simultaneously integrate the knowledge of the anatomical, physiological, pathophysiological, pathological, clinical, and pharmacological aspects of the given organ system with the aim of integrating diagnostics, therapy and prevention. The aim of the course is to provide students possibility to practice the care of the different semester related diseases. Student will learn how to implement different advanced level nursing interventions.</p>
FABAP22AN4803	Internal medicine and nursing theory II. field practice	3	field practice	English	VI.	practical course grade	<p>During the clinical practice, nursing students should put into practice the professional knowledge acquired during the theoretical and demonstration classroom practice. Learning the process and methods of diagnosis, getting to know the development and course of diseases and pathological processes related to certain organ systems and body regions, as well as learning the technique of taking anamnesis. Recognizing the need for various physical examinations and carrying them out according to the rules of the profession.</p>
FABAP22AN4901	Surgery and nursing theory II. theory	5	lecture	English	VI.	semester exam	<p>The students will become familiar with the basic concepts of nursing in surgery for different organs and organ systems in varying patient material. They familiarize themselves with the contemporary practices based on the newest available protocols and studies.</p>
FABAP22AN4902	Surgery and nursing theory II. practice	5	practice	English	VI.	practical course grade	<p>The students will become familiar with the basic concepts of nursing in surgery for different organs and organ systems in varying patient material. They familiarize themselves with the contemporary practices based on the newest available protocols and studies.</p>

FABAP22AN4903	Surgery and nursing theory II. field practice	3	field practice	English	VI.	practical course grade	Admission of the patient to the hospital, nursing tasks, Patient observation, anamnesis recording. Physical examination (inspectio, auscultatio, palpato, percussio) Management of health documentation, 24-hour monitoring sheet, application of electronic documentation, Observe surgical patient examination, Performing a PVC insertion Venous blood sampling and evaluation, Implementation of infusion therapy - composition of infusion Using a perfusor (infusion pump), Drainage of a nasogastric tube Performing an enema, Transfusion therapy - determination of blood group Transfusion therapy - implementation of a biological test Use of a patient monitoring monitor Subcutaneous injection, Intravenous injection, Haemoculture blood sampling, Use of an infusion pump, Assists with tubings, drainings Water, electrolyte and acid-base balance. Preparation for infusion therapy and connection to a peripheral vein for drug administration, Punctures. chest tapping preparation, assistance, viewing Oxygen supply process. Oxygen sources - Correct mobilization and adjustment of an oxygen cylinder, professional use of a reducer, Oxygen supply process. Oxygen sources - professional use of an oxygen concentrator, Oxygen supply. Preparation for chest physiotherapy and implementation. Postural drainage Oxygen therapy - prescribing FiO2 - use of a low-flow oxygen delivery system Oxygen therapy - prescribing FiO2 - using a high-flow oxygen delivery system Choosing and using a suitable device for inhalation therapy Usability and evaluation of risk assessment tools (state of consciousness) Getting to know the tests used in surgery and taking them Participation in diagnostic tests. View a CT scan Participation in diagnostic tests. View an MRI scan Participation in diagnostic tests. View chest X-ray examination, US examination Special examinations at the unit. Indications and contraindications of laying methods
TBA	Psychiatry and nursing theory	3	lecture	English	VIII.	semester exam	Students should learn about the forms, symptoms and classification of psychiatric illnesses. Have the knowledge necessary to become suitable for the care of psychiatric patients, to be able to independently recognize emerging needs, personality-centered care, documentation and participation in team work
TBA	Psychiatry and nursing theory field practice	0	field practice	English	VIII.	signature	During the clinical practice, nursing students should put into practice the professional knowledge acquired and acquired during the theoretical and demonstration classroom practice. Learning the process and methods of diagnosis, getting to know the development and course of diseases and pathological processes related to certain organ systems and body regions, as well as learning the technique of taking anamnesis. Recognizing the need for various physical examinations and carrying them out according to the rules of the profession.
TBA	Infant medicine and Pediatric Care nursing theory	5	lecture + practice	English	VIII.	semester exam	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.
TBA	Infant medicine and Pediatric Care nursing theory field practice	4	field practice	English	VIII.	practical course grade	During the clinical practice, the nursing students must put into practice the professional knowledge acquired and mastered during the theoretical and demonstration classroom practice in clinical and specialized nursing with a practice leader.

TBA	Obstetrics and gynecology nursing theory	4	lecture	English	VIII.	semester exam	Obstetrics - Gynecology Historical Overview. Legislation. Anatomical - Physiological Overview. Embryology and fetal development. Nursing tasks of pregnant women, special aspects of pregnancy counseling, legal regulation. Abnormal pregnancy. Bleeding during pregnancy. Diabetes mellitus. Preeclampsia. Other disorders. Childbirth signs, process. 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. 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).
TBA	Obstetrics and gynecology nursing theory field practice	4	field practice	English	VIII.	practical course grade	During the clinical practice, nursing students should put into practice the professional knowledge acquired and acquired during the theoretical and demonstration classroom practice. Learning the process and methods of diagnosis, getting to know the development and course of diseases and pathological processes related to certain organ systems and body regions, as well as learning the technique of taking anamnesis. Recognizing the need for various physical examinations and carrying them out according to the rules of the profession.

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.
FABGY22AN33	Health communication II.	3	practice	English	IV.	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 arenas 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
FABGY22AN34	Public health, epidemiology	2	lecture	English	IV.	semester exam	Students will learn the most important epidemiological indexes describing the medical status of public health. Will also learn the burdens of the main risk factors on an international level, and the public health efforts in order to suppress the harmful risk behavior forms. They will become familiar with the main characteristics of the leading diseases and causes of death, and will get an insight into the main activities of public health.
FABGY22AN35	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.

FABGY22AN36	Physiotherapy I.	2	lecture+practice	English	IV.	semester exam	Know the basic concepts used in physiotherapy at the student's proficiency level. Get to know the mechanism of action, indication and contraindication areas of the methods used during physiotherapy. The student should also know the physical therapy procedures used in physiotherapy, their indications and contraindications at a practical level. Get to know the mechanism of action of the methods used during physical therapy, their location and applicability during rehabilitation activities.
FABGY22AN37	Movement and massage therapy I.	5	lecture+practice	English	IV.	practical course grade	The aim of the course is to develop the tactile ability, to teach classical Swedish massage, to learn reflex massage techniques (connective tissue, segment massage). Requirement: The student should acquire the techniques of Swedish massage and reflex massage at skill level. One of the most important tasks of the course is the development of testing by touch: the touch of the skin, the subcutaneous formulas, the examination of the muscle tone and the touch of other bony and soft parts of the body. By learning the treatment theory of reflex massage, the student should be able to do therapeutic reactions in diseased organ systems and recognize abnormal symptoms. 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.
FABGY22AN3801	Functional analysis and examination of movement I.	5	lecture+practice	English	IV.	practical course grade	To familiarize 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.
FABGY22AN48	Research methodology and biostatistics II.	3	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.
FABGY22AN49	Neurology	3	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.
FABGY22AN5001	Physiotherapy IV.	6	lecture+practice	English	VI.	practical course grade	The subject's aim is to present the 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.
FABGY22AN51	Surgery	3	lecture	English	VI.	semester exam	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

FABGY22AN5201	Physiotherapy VI.	5	lecture + 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. 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.
FABGY22AN53	Physiotherapy VII.	3	lecture + practice	English	VI.	practical course grade	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.
FABGY22AN54	Orthopaedics I.	2	lecture	English	VI.	semester exam	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.
FABGY22AN5501	Physiotherapy VIII.	4	lecture + practice	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.
FABGY22AN56	Psychiatry	2	lecture	English	VI.	semester exam	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
FABGY22AN57	Physiotherapy V.	3	lecture + practice	English	VI.	practical course grade	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.
TBA	Rehabilitation II.	5	field practice	English	VIII.	practical course grade	The material of clinical exercise therapy is based on the medical theory of orthopedics, traumatology, surgery, and rheumatology and prepares the demonstration and clinical practice. The theoretical material includes the physiotherapy methods related to the diagnoses. In the framework of the practical education, the student acquires the knowledge necessary for his profession, so that he will be able to apply it at the level of skill in clinical practice. Gains proficiency in the application of methods related to locomotor pathologies, setting up a treatment plan, and examining the patient. He raises his practical knowledge to the level of skill based on the aspects learned in theory.
TBA	Rehabilitation III.	3	field practice	English	VIII.	practical course grade	The clinical movement therapy includes neurology and neurosurgery medical theory, which preconditions the rehabilitation-practise. The theory includes physiotherapy methods allowing to diagnosis. In the case of practice-education the student learn the professional knowledge, so he is able to use it in the clinical-practice. The student is able to apply methods allowing to musculoskeletal diseases, compile treatment plan, examine the patients. Student has a skill about practise-knowledge based on theory. The student is able to examine patients with neurologic disease, prepare and implement a short and long term treatment plan and treatment goal and apply in practice the learned physiotherapy interventions.

TBA	Rehabilitation IV.	2	field practice	English	VIII.	practical course grade	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.
TBA	Rehabilitation V.	2	field practice	English	VIII.	practical course grade	Longer-term, continuous, guided practical work, in a specific area of patient care, for the exercise of independent professional activity. In the clinic, the student gets to know the individual cardiology pathologies and the physiotherapy procedures that can be used for them. The student is able to carry out a physiotherapy examination related to diagnosis, draw up a movement therapy treatment plan and apply the learned physiotherapy procedures in practice. He raises his practical knowledge to the level of skill based on the aspects learned in theory.
TBA	Rehabilitation VI.	2	field practice	English	VIII.	practical course grade	Longer-term, continuous, guided practical work, for the exercise of independent professional activity in a specific area of patient care. In the clinic, the student practices the physiotherapy procedures applicable to individual pulmonological pathologies. The student is able to carry out patient examinations related to various diagnoses, draw up a movement therapy treatment plan and apply the learned physiotherapy procedures in practice. He raises his practical knowledge to the level of skill based on the aspects learned in theory.

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.
FABDI22AN32	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.
FABDI22AN33	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.
FABDI22AN34	Health communication II.	3	practice	English	IV.	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 arenas 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

FABDI22AN35	Public health, epidemiology	2	lecture	English	IV.	semester exam	Students will learn the most important epidemiological indexes describing the medical status of public health. Will also learn the burdens of the main risk factors on an international level, and the public health efforts in order to suppress the harmful risk behavior forms. They will become familiar with the main characteristics of the leading diseases and causes of death, and will get an insight into the main activities of public health.
FABDI22AN36	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.
FABDI22AN37	Dietetics II.	2	lecture	English	IV.	semester exam	Students get an introduction to the topic of dietetics. They study parts of standardized dietary system, indication areas, energy and nutrient content, recommended foods and cooking methods of diets.
FABDI22AN38	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.
FABDI22AN39	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.
FABDI22AN40	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
FABDI22AN41	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.
FABDI22AN42	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.
FABDI22AN49	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.
FABDI22AN54	Dietetics V.	3	lecture + practice	English	VI.	semester exam	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.
FABDI22AN50	Food knowledge and food industrial technology II.	3	lecture + field practice	English	VI.	semester exam	Students will learn about the properties of food commodities and ready-to-serve products that can be used in different diets and in normal food preparation, including understanding the composition of different commodity and food products. Introduction to the processing of food commodity and their important technological steps. They should be able to determine the most appropriate use of food products. Understanding the impact of technological processes on the nutritional properties of foods and validating these aspects in product development.

FABDI22AN5101	Dietetics VI. theory	3	lecture	English	VI.	semester exam	Students learn about the dietary aspects and medical nutrition 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.
FABDI22AN5102	Dietetics VI. practice	4	practice	English	VI.	practical course grade	Students will have a theoretical knowledge of dietetics and will be able to practice a dietetic procedure / nutrition care process / medical nutrition therapy.
FABDI22AN52	Health politics	3	lecture	English	VI.	semester exam	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 risc 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 thes factors analyzation in the XXI. century.
FABDI22AN53	Everyday Nutrition	2	practice	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.
FABDI22AN55	Health management II.	3	lecture + practice	English	VI.	semester exam	To acquaint students with the tasks of institutional financing, labor and payroll management, and labor matters. Acquire adequate knowledge of public finance systems budgets and labor law issues. A special aspect of the course is to teach the students how to build and operate complex technical systems (devices, machines), and even to operate them. Students will be familiar with the operation and application in practice of the equipment and machinery used in catering establishments and the most commonly used technical equipment. Acquire technical and operational knowledge, which is the basis for the selection and application of modern economical kitchen technologies. To acquaint students with the basic activity of food establishments of health institutions, its organization and operation. Describe the food supply process and the work and plant organization tasks associated with each process. Students will acquire the theoretical knowledge necessary to organize the nutrition process of health care institutions, to manage the whole core activity, and to recognize the interrelationships between economics and work processes.