



UNIVERSITY OF PÉCS  
FACULTY OF HEALTH SCIENCES

**Study Guide**  
autumn semester

## **General Information About the Faculty**

### **DEAN:**

PROF. DR. PONGRÁC ÁCS

PROFESSOR; HEAD OF INSTITUTE

### **ERASMUS CO-ORDINATOR:**

Dr. Klára Simon

TEL.: +36 (72) 513 670/611

E-MAIL: [klara.simon@etk.pte.hu](mailto: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
FANAT22AN01	Anatomy in Health Science I.	4	lecture+practice	English	I.	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.
FEUTER22AN02	Terminology of the healthcare	4	practice	English	I.	practical course grade	Understanding and correct using of grammar based medical terminology, first in the course of healthcare related studies, than in the course of work, as a healthcare professional. The student's familiarization with every grammatical rules of medical terms, which are required in order to use the professional terminology and giving a basic vocabulary of latin-greek medical nomenclature.
FESNY22AN03	First Aid	4	lecture+practice	English	I.	semester exam	In this course the studens 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 treathening situations (eg. unconsciousness, foreign body arway obstruction, severe bleeding, wounds, different injuries, internal medicine problems, intoxication) and the practical implementation of these situation, as well.
FSEBIA22AN04	Basics of cell biology and biochemistry in health science	4	lecture	English	I.	semester exam	The course covers basic concepts about biology and cell biology. The course also covers basic concepts about organic chemistry. Survey of the structure and function of biological molecules, including carbohydrates, lipids, and proteins. Emphasis on relation to other life sciences. Topics include enzymology, special properties of biological membranes, hormones, vitamins, metabolic pathways Properties and metabolisms of nucleotides, amino acids, proteins, enzymes, carbohydrates, lipids. Competences: Students shall be able to describe the properties of the cell. Also shall be able to comprehend the coherences between biomolecules, the important metabolic pathways and the cell organelles.
FTMSZ22AN05	Learning methodology	2	practice	English	I.	practical course grade	The course provides an overview of learning methods, styles, habits and learning management. On the other hand, through individual and small group exercises, students will learn about their own thinking processes, learning style and gain insights into how to plan their learning time more economically. They will be able to choose the most effective learning techniques from those they have learned. Thirdly, students will have the opportunity to indicate, in a problem-solving session, what they find difficult to learn and why, and what they find challenging in each subject. The course also offers a way to address these student suggestions and learning difficulties.
FEGINF22AN05	IT in Health Care	3	practice	English	I.	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 their work and follow the development of information technology. Be able to edit, format and produce large documents (e.g. thesis).
FEGKOM22AN07	Health communication I.	4	practice	English	I.	practical course grade	Students get to know the basic concepts and theories related to self-knowledge, self-evaluation, personality typologies, personality development, mental hygiene and communication. Their self-awareness and their ability to self-reflect develop. They learn about the process of communication, the characteristics of verbal and non-verbal communication, the strategies and methods of stress management, as well as the causes and types of conflicts and the methods and styles of conflict management. They become capable of self-reflective analysis and development of their own stress and conflict management.
FEUJE22AN08	Health law and ethics	3	lecture	English	I.	semester exam	Students will learn about the development of the law, its basic concepts, legal capacity and legal capacity and their health implications. Lectures will cover the public law structure of Hungary and the provisions of the Fundamental Rights and Obligations Act. Students will also learn about the rights of patients and health professionals, the possibilities of enforcement and insights into specific health law issues. Through blended learning methods, they will learn about occupational safety and fire safety in the workplace.  Health ethics includes a historical overview of bioethics, an approach to patients' rights, and the teaching of philosophy and ethics. During the semester, students will be introduced to the basics of ethics and morality, their philosophical and scientific connections. Moral evaluation, judgment and responsibility. A detailed review of ethical value systems and trends, providing a basic knowledge of morality. A thorough overview of the legal history and practice of ethics and jurisprudence, with particular emphasis on the interface between ethics and law. The history of medical ethics. The evolution of its values (from the Greeks to the present). Basic categories of bioethics. Law in life. Different conceptions. E.g. problems of euthanasia, abortion, capital punishment, biogenetics, ethical implications of the technical revolution brought about by the scientific impact of the 4th industrial revolution, ethical analysis of the future. Responsibility for oneself and others. Alcoholism, drug abuse, suicide. Ethical issues in health systems.

FESZOC22AN09	Health sociology	3	lecture	English	I.	semester exam	<p>The aim of teaching health sociology is to provide students with theoretical background in order to make them be able to acquire the relevant knowledge concerning the different societies as well as introduce them the theoretical background of sociology and how to approach social problems. They should acquire knowledge about the social environment they live in, moreover about its main characteristics and processes. In this way they can become more sensitive and understanding to the relations between social phenomena and individuals.</p> <p>During the semester the students get to know the main research areas of sociology, paying special attention to the features and tension areas of Hungarian social problems. With the help of the acquired theoretical and methodological knowledge we give the opportunity to students to be able to recognise and consider those factors in an adequate way that can play role in arising, lingering as well as solving of problems of those people who belong to different social groups and have different social backgrounds.</p>
FEFENP22AN10	Health promotion - health education, health psychology I.	2	practice	English	I.	practical course grade	<p>The aim of the course is to introduce students to the foundations of personality psychology and health psychology and their interrelationship, the typical stages of the human life course, the specificities of health behaviour and the personal and social experiences of illness, the relationship between stress and burnout. Throughout the course, students will understand and master concepts and their interrelationships, theories and models that can be applied in their future work to understand clients, plan interventions and work effectively together.</p>
FHUME22AN11	Hungarian for Medical Purposes I.	0	practice	English	I.	signature	<p>The aim of the subject is that students get to know the sound and tune of Hungarian language, the alphabet and learn to spell words in Hungarian which are connected to their fields. They will learn the numbers, the days and the months in Hungarian. Besides, students will learn about the Hungarian culture, and the appropriate greeting forms due to the particular part of the day either in formal or in informal style. They will learn how to get and give personal information. They will get to know basic expressions and forms which are inevitable in their daily use of the language for example how to introduce themselves or what to say when not understand others.</p>
FELETT22AN23	Physiology in Health Science II.	5	lecture+practice	English	III.	semester exam	<p>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.</p>
FNPET22AN24	Public Health	4	lecture	English	III.	semester exam	<p>Students will learn the history of their chosen profession by reviewing general history. Thus, as part of their intellectual education, they will have sufficient knowledge of history during and after the period of deepening their vocation.</p> <p>With a knowledge of demography and somatometry, they should be able to assess the demographic situation in the world and in their own country and to contribute actively to solving demographic problems. Be able to assess the health situation of our country on the basis of epidemiological knowledge.</p> <p>Be able to understand the specificities of health systems through systems theory. Become active and informed participants in the Hungarian health care system. Based on the knowledge of the WHO Society's health agenda, they should actively participate in the development and protection of health and the restoration of deteriorated health.</p>
FEFENP22AN25	Health promotion - health education, health psychology II.	4	lecture+practice	English	III.	semester exam	<p>In the framework of the subject, the student acquires knowledge about the holistic concept of health, its components and the factors affecting health. Get to know the place of health education in the pedagogy system, as well as the concepts of health education and health development, and their connection. The students will learn about the health-protective effects of healthy nutrition, exercise and sexuality, mental hygiene, as well as addictive behaviors that endanger health (smoking, alcohol consumption, drug consumption, behavioral addictions). Get to know the process of the development of addictions, their common characteristics, and the possibilities of intervention. Understands the relationship between health behavior/risk behaviors and health status. The student gets to know the models and activity system of health promotion, the role of health education in changing habits and behavior.</p> <p>Understands and interprets the process of individual health behavior change and its motivations based on the Prochaska, Di Clemente model, and the COM-B model. The students will be able to assess the health status of population groups, and plan interventions and programs according to their needs, as well as design health-promoting materials. The students get to know the planning aspects of group and community health education: the connection between needs, goals, content and methodology. They gain knowledge about the methodology, resources and evaluation methods of group health education and gain expertise in exploring the characteristics and health-related needs of the client and the group. Designs a program that fits the characteristics and needs of the individual/group. They become capable of minimal intervention, e.g. regarding smoking.</p>
FTNTK22AN26	Physical education and physical culture II.	2	practice	English	III.	practical course grade	<p>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</p>

FABAP22AN27	Patophysiology in health sciences I.	4	lecture	English	III.	semester exam	Accurate and detailed knowledge of the anatomy of the human body, using Latin anatomical terminology. Detailed knowledge of the macroscopic and microscopic anatomy of the tissues, organs and organ systems of the human body, as a basis for further professional subjects and life processes. The subject will cover the human body in the logical order of the organ systems that make up it, with a more detailed coverage appropriate to the professional training. In addition to the general anatomical characterisation of the organs and organ systems, it also covers the detailed landscape anatomy and a more in-depth description of each organ and organ system, with emphasis on Latin terminology. The use of a functional anatomical approach to the organs and organ systems is also used in the discussion.
FABAP22AN28	Mental Care	2	lecture	English	III.	semester exam	A detailed discussion of the key points from the list of threats to the mental health of people in the helping professions, including the symptoms to watch out for, prevention options, treatment options and the options available for different levels of severity. The principles of communication with patients and clients, the development of empathy skills, the basics of professional communication with team members, the patient and family members.
FABAP22AN29	Fundamentals of patient mobilisation	2	practice	English	III.	practical course grade	The aim is to teach active and chronic care workers how to protect their health and avoid spinal disorders, starting from the theoretical basics. Students will learn about the anatomy of the body's skeleton, the spine, from the basics of body mechanics, through spinal biomechanics to pathokinesiology. In addition to different patient movement techniques, the course will also shed light on the development of low back pain syndrome among healthcare workers.
FABAP22AN30	Nursing skills II.	5	lecture+practice	English	III.	semester exam	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.
FABAP22AN31	Nursing process and diagnosis- making	2	practice	English	III.	practical course grade	TBA
FABAP22AN42	Pharmacology II.	2	lecture	English	V.	semester exam	Acquainting the student with the most common pathologies of sensory diseases, the causes of their development and the characteristics of their clinical course.
FABAP22AN4301	Internal medicine and nursing theory I. theory	5	lecture	English	V.	semester exam	Clinical skills are taught in a complex integrated form, by organ system. The aim is to integrate the anatomical, physiological, pathological, pathological, clinical and pharmacological knowledge of the organ system in question, and to integrate diagnosis, therapy and prevention into nursing knowledge. Topics: cardiology basics, ECG implementation and evaluation, inflammatory diseases of the heart, cardiac arrhythmias, shock, respiration, upper respiratory tract diseases, diseases of the oral cavity and oesophagus, organic diseases of the stomach, organic diseases of the small intestine, diseases of the large intestine, liver, biliary tract, pancreas
FABAP22AN4302	Internal medicine and nursing theory I. practice	4	practice	English	V.	practical course grade	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.
FABAP22AN4401	Surgery and nursing theory I. theory	5	lecture	English	V.	semester exam	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.
FABAP22AN4402	Surgery and nursing theory I. practice	4	practice	English	V.	practical course grade	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.
FABAP22AN4501	Clinical knowledge and nursing theory	4	lecture	English	V.	semester exam	To familiarise the student with the most common pathologies of sensory diseases, their causes and clinical course.
TBA	Neurology and nursing theory	4	lecture	English	VII.	semester exam	Historical overview of neurology. Anatomical - Physiological overview. Structural elements and integrative function of the nervous system. Repetition / review of propedeutic knowledge. Neurological patient examination. Non-invasive and invasive diagnostic procedures with neurological tools. Emergency care in neurology. Knowledge of the principles of care for emergency (closed, open) skull injuries Neurological disorders caused by disorders of cerebral circulation. STROKE Causes, symptoms, diagnosis, therapy and prevention of Multiple Sclerosis. Causes, symptoms, diagnosis, therapy and prevention of Parkinson's Disease Causes, symptoms, diagnosis, therapy and prevention of Myasthenia Gravis and Polyneuropathy Definition and symptoms, types, treatment of Polyneuropathy. Inflammatory diseases of the nervous system Skull injuries, headache Epilepsy Dementia, Alzheimer's disease Benign and malignant brain tumors Alcohol-related diseases, encephalopathies International classification of sleep and wake disorders (ICSD-3, 2014)
TBA	Neurology and nursing theory practice	3	practice	English	VII.	practical course grade	Implementation of specialist nursing knowledge and interventions necessary for the diagnosis, therapy and care of neurological conditions. Knowledge of condition assessment tools, application of score systems in neurological patient condition assessment. Tools and techniques of drug administration. Correct implementation of nursing interventions.

TBA	Gerontology and nursing theory	2	lecture	English	VII.	semester exam	TBA
TBA	Intensive therapy, anesthesiology and nursing theory	5	lecture	English	VII.	semester exam	<p>Mechanical Ventilation in the intensive care unit, nursing a ventilated patient in the light of the nursing process. A specific case description covering the characteristics of the disease to the greatest extent possible. Basic and specialist nursing tasks related to the disease. Establishing nursing diagnoses related to the disease, creating a 5-column nursing plan. Removal of respiratory secretions (with open and closed system). Intubation, extubation. Astrup sampling (capillary, arterial).</p> <p>Immobility syndrome: effects of immobility on the circulatory, respiratory, supporting and moving, urinary, digestive organ systems, nervous system, outer covering, psychological and social effects, decubitus prevention and treatment. Basic and specialist nursing tasks related to the disease. Establishing nursing diagnoses related to the disease, creating a 5-column nursing plan.</p> <p>Basic and specialist nursing tasks related to heart failure. Establishing nursing diagnoses related to the disease, creating a 5-column nursing plan. Application of pulse oximetry, patient monitoring monitor. Electrical and drug cardioversion.</p> <p>Basic and specialized nursing tasks related to acute myocardial infarction disease. Establishing nursing diagnoses related to the disease, creating a 5-column nursing plan.</p> <p>Basic and specialized nursing tasks related to pulmonary embolism. Establishing nursing diagnoses related to the disease, creating a 5-column nursing plan.</p> <p>Basic and specialized nursing tasks related to sepsis and SIRS. Establishing nursing diagnoses related to the disease, creating a 5-column nursing plan. Artery cannula insertion. Providing a central vein. CVP measurement.</p>
TBA	Intensive therapy, anesthesiology and nursing theory practice	4	practice	English	VII.	practical course grade	Based on preliminary studies, to acquaint the student with the anatomy, physiology, diagnostics, and therapy of the most common pathologies occurring in the intensive care unit, the drug groups used for each pathology and their mechanism of action, as well as the nursing tasks of each pathology, the preparation and implementation of these tasks, the 5-column nursing plan for the pathologies making.
TBA	Oxiology and nursing theory	4	lecture	English	VII.	semester exam	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 emergency care. The aim of the course is to provide students with theoretical knowledge of the causes, symptoms, diagnostics and treatment of emergency situations and patient conditions. Students will be able to recognize the symptoms of diseases and identify appropriate diagnostic and treatment procedures, respond appropriately.
TBA	Oxiology and nursing theory practice	3	practice	English	VII.	practical course grade	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 emergency care. The aim of the course is to provide students with theoretical knowledge of the causes, symptoms, diagnostics and treatment of emergency situations and patient conditions. Students will be able to recognize the symptoms of diseases and identify appropriate diagnostic and treatment procedures, respond appropriately.

## PHYSIOTHERAPY

Course Code	Title	Credits	Form of teaching	Language	Semester	Assessment	Description
FANAT22AN01	Anatomy in Health Science I.	4	lecture+practice	English	I.	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.
FEUTER22AN02	Terminology of the healthcare	4	practice	English	I.	practical course grade	Understanding and correct using of grammar based medical terminology, first in the course of healthcare related studies, than in the course of work, as a healthcare professional. The student's familiarization with every grammatical rules of medical terms, which are required in order to use the professional terminology and giving a basic vocabulary of latin-greek medical nomenclature.

FESNY22AN03	Nursing skills I.	4	lecture+practice	English	I.	practical course grade	<p>Students should be familiar with the basic concepts, research findings and perspectives of nursing. Be familiar with the specific nursing processes, machines and equipment used in each clinical area. Know the organisational and documentation tasks related to nursing care.</p> <p>The student will acquire the competencies necessary for healthy and safe work, prevent accidents through appropriate behaviour and be able to 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.</p> <p>To enable students to perform basic needs-based primary care tasks and to carry out certain nursing interventions. To enable the student to monitor patients using a variety of non-invasive vital signs measurement tools and to be able to report the measurement to a supervisor when necessary and to document the tasks performed in a professional manner. Be able to perform professional patient handling, positioning and comfort of the patient.</p> <p>To prepare the learner to administer enteral medications as prescribed in relation to the administration of various medications. To become familiar with medical aids and their use.</p>
FSEBIA22AN04	Basics of cell biology and biochemistry in health science	4	lecture	English	I.	semester exam	<p>The course covers basic concepts about biology and cell biology. The course also covers basic concepts about organic chemistry. Survey of the structure and function of biological molecules, including carbohydrates, lipids, and proteins. Emphasis on relation to other life sciences. Topics include enzymology, special properties of biological membranes, hormones, vitamins, metabolic pathways Properties and metabolisms of nucleotides, amino acids, proteins, enzymes, carbohydrates, lipids.</p> <p>Competences:</p> <p>Students shall be able to describe the properties of the cell. Also shall be able to comprehend the coherences between biomolecules, the important metabolic pathways and the cell organelles.</p>
FTMSZ22AN05	Learning methodology	2	practice	English	I.	practical course grade	<p>The course provides an overview of learning methods, styles, habits and learning management. On the other hand, through individual and small group exercises, students will learn about their own thinking processes, learning style and gain insights into how to plan their learning time more economically. They will be able to choose the most effective learning techniques from those they have learned. Thirdly, students will have the opportunity to indicate, in a problem-solving session, what they find difficult to learn and why, and what they find challenging in each subject. The course also offers a way to address these student suggestions and learning difficulties.</p>
FEGINF22AN05	IT in Health Care	3	practice	English	I.	practical course grade	<p>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 their work and follow the development of information technology. Be able to edit, format and produce large documents (e.g. thesis).</p>
FEGKOM22AN07	Health communication I.	4	practice	English	I.	practical course grade	<p>Students get to know the basic concepts and theories related to self-knowledge, self-evaluation, personality typologies, personality development, mental hygiene and communication. Their self-awareness and their ability to self-reflect develop. They learn about the process of communication, the characteristics of verbal and non-verbal communication, the strategies and methods of stress management, as well as the causes and types of conflicts and the methods and styles of conflict management. They become capable of self-reflective analysis and development of their own stress and conflict management.</p>
FEUJE22AN08	Health law and ethics	3	lecture	English	I.	semester exam	<p>Students will learn about the development of the law, its basic concepts, legal capacity and legal capacity and their health implications. Lectures will cover the public law structure of Hungary and the provisions of the Fundamental Rights and Obligations Act. Students will also learn about the rights of patients and health professionals, the possibilities of enforcement and insights into specific health law issues. Through blended learning methods, they will learn about occupational safety and fire safety in the workplace.</p> <p>Health ethics includes a historical overview of bioethics, an approach to patients' rights, and the teaching of philosophy and ethics. During the semester, students will be introduced to the basics of ethics and morality, their philosophical and scientific connections. Moral evaluation, judgment and responsibility. A detailed review of ethical value systems and trends, providing a basic knowledge of morality. A thorough overview of the legal history and practice of ethics and jurisprudence, with particular emphasis on the interface between ethics and law. The history of medical ethics. The evolution of its values (from the Greeks to the present). Basic categories of bioethics. Law in life. Different conceptions. E.g. problems of euthanasia, abortion, capital punishment, biogenetics, ethical implications of the technical revolution brought about by the scientific impact of the 4th industrial revolution, ethical analysis of the future. Responsibility for oneself and others. Alcoholism, drug abuse, suicide. Ethical issues in health systems.</p>

FESZOC22AN09	Health sociology	3	lecture	English	I.	semester exam	<p>The aim of teaching health sociology is to provide students with theoretical background in order to make them be able to acquire the relevant knowledge concerning the different societies as well as introduce them the theoretical background of sociology and how to approach social problems. They should acquire knowledge about the social environment they live in, moreover about its main characteristics and processes. In this way they can become more sensitive and understanding to the relations between social phenomena and individuals.</p> <p>During the semester the students get to know the main research areas of sociology, paying special attention to the features and tension areas of Hungarian social problems. With the help of the acquired theoretical and methodological knowledge we give the opportunity to students to be able to recognise and consider those factors in an adequate way that can play role in arising, lingering as well as solving of problems of those people who belong to different social groups and have different social backgrounds.</p>
FEFENP22AN10	Health promotion - health education, health psychology I.	2	practice	English	I.	practical course grade	<p>The aim of the course is to introduce students to the foundations of personality psychology and health psychology and their interrelationship, the typical stages of the human life course, the specificities of health behaviour and the personal and social experiences of illness, the relationship between stress and burnout. Throughout the course, students will understand and master concepts and their interrelationships, theories and models that can be applied in their future work to understand clients, plan interventions and work effectively together.</p>
FHUME22AN11	Hungarian for Medical Purposes I.	0	practice	English	I.	signature	<p>The aim of the subject is that students get to know the sound and tune of Hungarian language, the alphabet and learn to spell words in Hungarian which are connected to their fields. They will learn the numbers, the days and the months in Hungarian. Besides, students will learn about the Hungarian culture, and the appropriate greeting forms due to the particular part of the day either in formal or in informal style. They will learn how to get and give personal information. They will get to know basic expressions and forms which are inevitable in their daily use of the language for example how to introduce themselves or what to say when not understand others.</p>
FELETT22AN23	Physiology in Health Science II.	5	lecture+practice	English	III.	semester exam	<p>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.</p>
FNPET22AN24	Public Health	4	lecture	English	III.	semester exam	<p>Students will learn the history of their chosen profession by reviewing general history. Thus, as part of their intellectual education, they will have sufficient knowledge of history during and after the period of deepening their vocation.</p> <p>With a knowledge of demography and somatometry, they should be able to assess the demographic situation in the world and in their own country and to contribute actively to solving demographic problems. Be able to assess the health situation of our country on the basis of epidemiological knowledge.</p> <p>Be able to understand the specificities of health systems through systems theory. Become active and informed participants in the Hungarian health care system. Based on the knowledge of the WHO Society's health agenda, they should actively participate in the development and protection of health and the restoration of deteriorated health.</p>



FEFENP22AN25	Health promotion - health education, health psychology II.	4	lecture+practice	English	III.	semester exam	In the framework of the subject, the student acquires knowledge about the holistic concept of health, its components and the factors affecting health. Get to know the place of health education in the pedagogy system, as well as the concepts of health education and health development, and their connection. The students will learn about the health-protective effects of healthy nutrition, exercise and sexuality, mental hygiene, as well as addictive behaviors that endanger health (smoking, alcohol consumption, drug consumption, behavioral addictions). Get to know the process of the development of addictions, their common characteristics, and the possibilities of intervention. Understands the relationship between health behavior/risk behaviors and health status. The student gets to know the models and activity system of health promotion, the role of health education in changing habits and behavior. Understands and interprets the process of individual health behavior change and its motivations based on the Prochaska, Di Clemente model, and the COM-B model. The students will be able to assess the health status of population groups, and plan interventions and programs according to their needs, as well as design health-promoting materials. The students get to know the planning aspects of group and community health education: the connection between needs, goals, content and methodology. They gain knowledge about the methodology, resources and evaluation methods of group health education and gain expertise in exploring the characteristics and health-related needs of the client and the group. Designs a program that fits the characteristics and needs of the individual/group. They become capable of minimal intervention, e.g. regarding smoking.
FTNTK22AN26	Physical education and physical culture II.	2	practice	English	III.	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
FABAP22AN27	Patophysiology in health sciences I.	4	lecture	English	III.	semester exam	Accurate and detailed knowledge of the anatomy of the human body, using Latin anatomical terminology. Detailed knowledge of the macroscopic and microscopic anatomy of the tissues, organs and organ systems of the human body, as a basis for further professional subjects and life processes.  The subject will cover the human body in the logical order of the organ systems that make up it, with a more detailed coverage appropriate to the professional training. In addition to the general anatomical characterisation of the organs and organ systems, it also covers the detailed landscape anatomy and a more in-depth description of each organ and organ system, with emphasis on Latin terminology. The use of a functional anatomical approach to the organs and organ systems is also used in the discussion.
FABGY22AN29	Anatomy in Health Sciences III.	3	lecture+practice	English	III.	semester exam	The subject provides knowledge to enable the student to master the basic structure and structure of the organization so that detailed knowledge of the movements can be analyzed with more detailed knowledge of the anatomical structures and functions. Students are able to recognize parts of the human body according to the curriculum in detail, and examine schematic, semi-schematic diagrams, models about organs, and documents used in medical practices. This course introduces the basic parts and structures of the human body. Anatomical structures and functions of the musculoskeletal system are presented to the extent allowing the thorough analysis of movements
FABGY22AN30	Theory of training	3	lecture+practice	English	III.	practical course grade	Students can deepen and put into practice the knowledge they got in Theory of training and Biomechanics lessons. Students will study the basics of training and loading laws, to be able to use the connecting literature and write basic training plans and programs for developing the studied motoric skills.
FABGY22AN28	Rudiments of Kinesiology I.	5	lecture+practice	English	III.	semester exam	The student will be familiar with the physiological and pathological movements of the human body, the human locomotion and posture, the differences between normal and pathologic gait, documentation and evaluation of these elements. The student is familiar with the methodology of movement exercises that can be implemented in the spaces adapted for human motion development.  The student will be familiar with the basics of movement therapy. The aim is that the student can compose and dictate exercises sequences based on physiotherapy aspects.
FABGY22AN40	Clinical neurophysiology	4	lecture	English	V.	semester exam	Students will be familiar with the principles of neurophysiology, brain nerve examinations, motor and sensory system symptoms, pain generation, analgesic procedures, and instrumental testing procedures for neurology. The student should be able to examine the neurological patient, to examine the reflexes, vestibular, extrapyramidal system, to study the neurological patient, and to know the division and characterization of consciousness disorders.
FABGY22AN41	Rudiments of Kinesiology III.	4	practice	English	V.	practical course grade	The student will be familiar with the physiological and pathological movements of the human body, the healthy and pathological abnormalities, documentation and evaluation of human locomotion and posture. The student is familiar with the methodology of movement exercises that can be implemented in the spaces adapted for human motion development.
FABGY22AN4201	Functional analysis and examination of movement II	5	lecture+practice	English	V.	practical course grade	Subject aim: to acquaint the student with the correct and complex examination of the patient from the point of view of the locomotor system, which forms the basis for examining the pathological abnormalities and the planning of the appropriate treatment. Requirement: the student should know the basics of musculoskeletal examination, the analytical examination of the muscles, the measurement of the joint movement range, the use of joint motility and movement (ROM) methods. To be familiar with the examination of cervical, thoracic, lumbar spine, the upper and lower extremity, special tests corresponding to the different regions, main nerve stretching tests, examining the somatic spinal cord reflexes, the sensoric function

FABGY22AN4301	Physiotherapy II.	5	lecture+practice	English	V.	practical course grade	<p>In the framework of the theoretical education of cardiovascular physiotherapy, the student learns the basics of special kinesiology in internal medicine (cardiology). The material of clinical movement therapy is based on the medical theory of internal medicine and prepares the demonstration and clinical practice. The theoretical material includes the physiotherapy methods related to the diagnoses.</p> <p>The aim of the subject is to introduce the examination methods of cardiology physiotherapy and the basic principles of physiotherapy treatment of individual diseases. The student's level of knowledge covers the compilation and implementation of the general treatment program for each disease, as well as the determination of the physiotherapy treatment procedures applicable in cardiology. At the student's level of skill, he is able to apply cardiology examination methods, document the results of the examination, apply tests and carry out the treatments. He is able to form an independent physiotherapy opinion and record it in writing.</p>
FABGY22AN4401	Physiotherapy III.	5	lecture+practice	English	V.	practical course grade	<p>The student should get to know the physiotherapy treatment methods used in pulmonology, healing procedures and disease diagnostics, the physical examination of the pulmonology patient, and the physiotherapy treatment methods used in the case of major lung diseases.</p>
FABGY22AN45	Movement and massage therapy II.	4	lecture+practice	English	V.	practical course grade	<p>The student gets to know the place and role of orthopedic manual therapy in physiotherapy, learns the basic elements of the Norwegian System of OMT and the treatment of the joints of the limbs in practice. Purpose: to demonstrate in practice and master the tests of accessory movements of the limb joints and the spine, as well as the possibilities of treatment using accessory movements.</p>
FABGY22AN46	Diagnostic Imaging	2	lecture	English	V.	semester exam	<p>Physiotherapy students are required to acquire the knowledge required in the system of requirements to obtain their qualification, or After graduation, you should have essential knowledge about the imaging procedures that can be used to visualize the human body and its diseases, and what they mean.</p> <p>Be able to provide professional answers to patients' questions related to the implementation and evaluation of procedures. Know the most important indication areas and contraindications of radiological examinations. Know what to expect from each procedure in the diseases that occur in your specialty, and what changes are typical for them.</p> <p>To the extent necessary for your field of expertise, you should be able to evaluate images independently, be able to detect changes that occur in connection with therapy, and if necessary, modify your activities accordingly, or to select cases that exceed his competence in this area, and to conduct the appropriate consultation on them.</p>
FABGY22AN47	Internal Medicine	3	lecture	English	V.	semester exam	<p>Students will learn mainly about the internal medical conditions relevant to the physiotherapist; laboratory and device tests for diagnosis, basic drug treatment principles, therapies. You should perform basic control tests that are necessary for physiotherapist work.</p>
TBA	Orthopaedics II.	4	lecture	English	VII.	semester exam	<p>Introduces the physiotherapist students with the congenital and acquired deformities of the musculoskeletal system, degenerative diseases of the joints, the primary and secondary alteration of muscular system, acute and chronic diseases of the musculoskeletal system. It deals with the diagnosis of certain disease patterns, their conservative and surgical treatment, especially with the tasks of the physiotherapist in the prevention and healing process. Encourages self-employment by participating in diagnostics of the disease and requires students to develop a treatment strategy for all orthopedic diseases.</p>
TBA	Physiotherapy IX.	4	lecture+practice	English	VII.	practical course grade	<p>Subject's goal: the student know the orthopaedics disease's physiotherapy. Requirement: the student know the orthopaedics physiotherapy's examination methods and know the orthopaedics disease's physiotherapy and able to apply in practice.</p>
TBA	Geriatrics physiotherapy	4	lecture+practice	English	VII.	practical course grade	<p>The student acquires the basics of Geriatrics physiotherapy. The theoretical material of practical training includes physiotherapy methods related to diagnosis. The student acquires proficiency in the application of methods related to the diseases, setting up a treatment plan, examining the patient.</p>
TBA	Gerontology	2	lecture	English	VII.	semester exam	<p>With the help of the knowledge of Geriatrics, the student should be able to provide complex care for the elderly, promote the prevention, treatment and rehabilitation of various diseases by means of physiotherapy.</p>
TBA	Rheumatology	4	lecture	English	VII.	semester exam	<p>To learn about the pathomechanisms of joints, including cartilage and bone tissue, to master the process of immune mechanism in general, the most important (eg rheumatoid arthritis or pathological processes in other autoimmune diseases. , diagnostic (laboratory, radiological, and other imaging diagnostic, etc.) and general therapeutic aspects, interpretation of data, and, in particular, processing of its sequences of motion therapy. therapeutic, including conservative (including physiotherapeutic, pharmaceutical, etc.), invasive (e.g., surgical, rheumatic, etc.) aspects.</p>
TBA	Physiotherapy X.	4	lecture+practice	English	VII.	practical course grade	<p>The aim of the course is to get acquainted with the examination methods of rheumatological physiotherapy, the principles and programs of physiotherapy for certain diseases. The student's level of knowledge extends to the compilation and implementation of a general treatment program for each disease, as well as to the definition of physiotherapy treatments applicable in rheumatology. At the skill level, the student is able to apply rheumatological examination methods, document the results of the examination, apply tests and perform treatments. He is able to form an independent opinion and record it in writing.</p>

TBA	Infant and Child Care I.	4	lecture	English	VII.	semester exam	The student should get to know the characteristics of premature and mature newborns, gain insight into perinatal intensive care. Get to know the normal development of babies and toddlers and the main characteristics of delayed development, be able to distinguish between normal and abnormal development, and recognize the abnormal early. Expand your knowledge of movement. and/or co-morbidities of mentally disabled or cumulatively disabled children, or on the recognition of the factors influencing physiotherapy. Gain insight into the most important emergency conditions and symptoms affecting children.
TBA	Physiotherapy XI.	5	lecture+practice	English	VII.	practical course grade	Infant and pediatric physiotherapy is based on the material of the pediatric medical lecture. During the course, students learn about the anatomical and physiological characteristics of childhood, the development of the normal motor system and their pathology, and the complex physiotherapy of neurological, internal medicine and locomotor diseases. During the practice, the student applies the knowledge of patient examination to the individual symptoms. Have an overview of all areas of child rehabilitation and applicable methods. Be able to carry out a motor examination of infants and children and apply the corresponding physiotherapy procedure.
TBA	Obstetrics-Gynaecology	4	lecture	English	VII.	semester exam	The aim of the course is to introduce students to the basics of obstetrics and gynecology clinic based on theoretical subjects. Physiotherapist students should first acquire the knowledge of the symptoms of the disease which are necessary for the recognition of diseases, as well as the examinations and treatment principles necessary for the diagnosis, in which physiotherapy care is basically needed. Students need to know on the skill level the most important surgical interventions, complementary instrumental examinations and therapeutic procedures.
TBA	Physiotherapy XII.	4	lecture+practice	English	VII.	practical course grade	Within the scope of the subject, the student learns the indications and contraindications of the physiotherapy procedure applicable during pregnancy and the puerperium period, the structure, the basic principles of compiling applicable practice material, as well as the treatment options for gynecological diseases and urinary retention problems. The subject program also includes the requirements of the exercise program for menopause.
TBA	Rehabilitation I.	4	lecture	English	VII.	semester exam	The aim of the subject is: The student is familiar with the function, the structure and the speciality of the rehabilitation medicine. The function of the class is to configure the approach of rehabilitation in students and to determine the place of physiotherapy in the medical rehabilitation. After the student is familiar with the history of rehabilitation, he is familiar with the concept and function of rehabilitation, concept of handicap. After them subject reviews professional characteristics of rehabilitation medicine. The student must know the history of rehabilitation. Basic definitions. Types of rehabilitation. Used aids for walking, medical aids, a wide range of orthoses (brace, relief devices, etc.) and application possibilities.

## DIETITIAN

Course Code	Title	Credits	Form of teaching	Language	Semester	Assessment	Description
FANAT22AN01	Anatomy in Health Science I.	4	lecture+practice	English	I.	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.
FEUTER22AN02	Terminology of the healthcare	4	practice	English	I.	practical course grade	Understanding and correct using of grammar based medical terminology, first in the course of healthcare related studies, than in the course of work, as a healthcare professional. The student's familiarization with every grammatical rules of medical terms, which are required in order to use the professional terminology and giving a basic vocabulary of latin-greek medical nomenclature.
FESNY22AN03	First Aid	4	lecture+practice	English	I.	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.
FSEBIA22AN04	Basics of cell biology and biochemistry in health science	4	lecture	English	I.	semester exam	The course covers basic concepts about biology and cell biology. The course also covers basic concepts about organic chemistry. Survey of the structure and function of biological molecules, including carbohydrates, lipids, and proteins. Emphasis on relation to other life sciences. Topics include enzymology, special properties of biological membranes, hormones, vitamins, metabolic pathways Properties and metabolisms of nucleotides, amino acids, proteins, enzymes, carbohydrates, lipids. Competences: Students shall be able to describe the properties of the cell. Also shall be able to comprehend the coherences between biomolecules, the important metabolic pathways and the cell organelles.

FTMSZ22AN05	Learning methodology	2	practice	English	I.	practical course grade	The course provides an overview of learning methods, styles, habits and learning management. On the other hand, through individual and small group exercises, students will learn about their own thinking processes, learning style and gain insights into how to plan their learning time more economically. They will be able to choose the most effective learning techniques from those they have learned. Thirdly, students will have the opportunity to indicate, in a problem-solving session, what they find difficult to learn and why, and what they find challenging in each subject. The course also offers a way to address these student suggestions and learning difficulties.
FEGINF22AN05	IT in Health Care	3	practice	English	I.	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 their work and follow the development of information technology. Be able to edit, format and produce large documents (e.g. thesis).
FEGKOM22AN07	Health communication I.	4	practice	English	I.	practical course grade	Students get to know the basic concepts and theories related to self-knowledge, self-evaluation, personality typologies, personality development, mental hygiene and communication. Their self-awareness and their ability to self-reflect develop. They learn about the process of communication, the characteristics of verbal and non-verbal communication, the strategies and methods of stress management, as well as the causes and types of conflicts and the methods and styles of conflict management. They become capable of self-reflective analysis and development of their own stress and conflict management.
FEUJE22AN08	Health law and ethics	3	lecture	English	I.	semester exam	<p>Students will learn about the development of the law, its basic concepts, legal capacity and legal capacity and their health implications. Lectures will cover the public law structure of Hungary and the provisions of the Fundamental Rights and Obligations Act. Students will also learn about the rights of patients and health professionals, the possibilities of enforcement and insights into specific health law issues. Through blended learning methods, they will learn about occupational safety and fire safety in the workplace.</p> <p>Health ethics includes a historical overview of bioethics, an approach to patients' rights, and the teaching of philosophy and ethics. During the semester, students will be introduced to the basics of ethics and morality, their philosophical and scientific connections. Moral evaluation, judgment and responsibility. A detailed review of ethical value systems and trends, providing a basic knowledge of morality. A thorough overview of the legal history and practice of ethics and jurisprudence, with particular emphasis on the interface between ethics and law. The history of medical ethics. The evolution of its values (from the Greeks to the present). Basic categories of bioethics. Law in life. Different conceptions. E.g. problems of euthanasia, abortion, capital punishment, biogenetics, ethical implications of the technical revolution brought about by the scientific impact of the 4th industrial revolution, ethical analysis of the future. Responsibility for oneself and others. Alcoholism, drug abuse, suicide. Ethical issues in health systems.</p>
FESZOC22AN09	Health sociology	3	lecture	English	I.	semester exam	<p>The aim of teaching health sociology is to provide students with theoretical background in order to make them be able to acquire the relevant knowledge concerning the different societies as well as introduce them the theoretical background of sociology and how to approach social problems. They should acquire knowledge about the social environment they live in, moreover about its main characteristics and processes. In this way they can become more sensitive and understanding to the relations between social phenomena and individuals.</p> <p>During the semester the students get to know the main research areas of sociology, paying special attention to the features and tension areas of Hungarian social problems. With the help of the acquired theoretical and methodological knowledge we give the opportunity to students to be able to recognise and consider those factors in an adequate way that can play role in arising, lingering as well as solving of problems of those people who belong to different social groups and have different social backgrounds.</p>
FEFENP22AN10	Health promotion - health education, health psychology I.	2	practice	English	I.	practical course grade	The aim of the course is to introduce students to the foundations of personality psychology and health psychology and their interrelationship, the typical stages of the human life course, the specificities of health behaviour and the personal and social experiences of illness, the relationship between stress and burnout. Throughout the course, students will understand and master concepts and their interrelationships, theories and models that can be applied in their future work to understand clients, plan interventions and work effectively together.
FHUME22AN11	Hungarian for Medical Purposes I.	0	practice	English	I.	signature	The aim of the subject is that students get to know the sound and tune of Hungarian language, the alphabet and learn to spell words in Hungarian which are connected to their fields. They will learn the numbers, the days and the months in Hungarian. Besides, students will learn about the Hungarian culture, and the appropriate greeting forms due to the particular part of the day either in formal or in informal style. They will learn how to get and give personal information. They will get to know basic expressions and forms which are inevitable in their daily use of the language for example how to introduce themselves or what to say when not understand others.

FELETT22AN23	Physiology in Health Science II.	5	lecture+practice	English	III.	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.
FNPET22AN24	Public Health	4	lecture	English	III.	semester exam	Students will learn the history of their chosen profession by reviewing general history. Thus, as part of their intellectual education, they will have sufficient knowledge of history during and after the period of deepening their vocation. With a knowledge of demography and somatometry, they should be able to assess the demographic situation in the world and in their own country and to contribute actively to solving demographic problems. Be able to assess the health situation of our country on the basis of epidemiological knowledge. Be able to understand the specificities of health systems through systems theory. Become active and informed participants in the Hungarian health care system. Based on the knowledge of the WHO Society's health agenda, they should actively participate in the development and protection of health and the restoration of deteriorated health.
FEFENP22AN25	Health promotion - health education, health psychology II.	4	lecture+practice	English	III.	semester exam	In the framework of the subject, the student acquires knowledge about the holistic concept of health, its components and the factors affecting health. Get to know the place of health education in the pedagogy system, as well as the concepts of health education and health development, and their connection. The students will learn about the health-protective effects of healthy nutrition, exercise and sexuality, mental hygiene, as well as addictive behaviors that endanger health (smoking, alcohol consumption, drug consumption, behavioral addictions). Get to know the process of the development of addictions, their common characteristics, and the possibilities of intervention. Understands the relationship between health behavior/risk behaviors and health status. The student gets to know the models and activity system of health promotion, the role of health education in changing habits and behavior. Understands and interprets the process of individual health behavior change and its motivations based on the Prochaska, Di Clemente model, and the COM-B model. The students will be able to assess the health status of population groups, and plan interventions and programs according to their needs, as well as design health-promoting materials. The students get to know the planning aspects of group and community health education: the connection between needs, goals, content and methodology. They gain knowledge about the methodology, resources and evaluation methods of group health education and gain expertise in exploring the characteristics and health-related needs of the client and the group. Designs a program that fits the characteristics and needs of the individual/group. They become capable of minimal intervention, e.g. regarding smoking.
FTNTK22AN26	Physical education and physical culture II.	2	practice	English	III.	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
FABAP22AN27	Pathophysiology in health sciences	4	lecture	English	III.	semester exam	Accurate and detailed knowledge of the anatomy of the human body, using Latin anatomical terminology. Detailed knowledge of the macroscopic and microscopic anatomy of the tissues, organs and organ systems of the human body, as a basis for further professional subjects and life processes. The subject will cover the human body in the logical order of the organ systems that make up it, with a more detailed coverage appropriate to the professional training. In addition to the general anatomical characterisation of the organs and organ systems, it also covers the detailed landscape anatomy and a more in-depth description of each organ and organ system, with emphasis on Latin terminology. The use of a functional anatomical approach to the organs and organ systems is also used in the discussion.
FABDI22AN28	Food preparation I.	5	lecture+practice	English	III.	semester exam	Learn about the characteristics of each food group. A theoretical overview of the energy and nutrient requirements of different age groups as well as the aspects necessary to plan their diet. Demonstration of the basic connections of food science, grouping of material systems, understanding of thermodynamic systems, review of colloidal systems, exploring the foundations of functional food chemistry, and exploring the factors determining typical microbial associations and microflora of foods. Significant knowledge of colloids, chemistry and microbiology and their nutritional biology.
FABDI22AN29	Basic of Food Science	2	lecture	English	III.	semester exam	Learn about the characteristics of each food group. A theoretical overview of the energy and nutrient requirements of different age groups as well as the aspects necessary to plan their diet. Demonstration of the basic connections of food science, grouping of material systems, understanding of thermodynamic systems, review of colloidal systems, exploring the foundations of functional food chemistry, and exploring the factors determining typical microbial associations and microflora of foods. Significant knowledge of colloids, chemistry and microbiology and their nutritional biology.

FABDI22AN30	Nutrition biology I.	4	lecture+practice	English	III.	semester exam	Student prepares for cellular / cellular biological analysis of nutritional processes in the normal and pathological functioning of the gastrointestinal tract. Student can interpret complex, health-protective, disease-preventive approach of nutrition processes at level of nutrition biology and cell biology. In addition to digestive processes, cellular biology of major nutrition-related diseases (eg diabetes, tumors) is also presented during the course. Signaling mechanisms and knowledge of tumor biology are discussed during the course, providing the student with a comprehensive, system-wide understanding. Knowledge thus gained provides a good basis for students for a deeper understanding of the underlying processes behind nutrition-related diseases.
FABDI22AN31	Food chemistry, - biochemistry I.	4	lecture+practice	English	III.	semester exam	Getting to know the chemical composition of foods and understanding these chemical or biological alterations of these substances, and understanding the chemical reactions between the various additive substances and food ingredients. Learn organic chemistry from the basics and connect it with food chemistry. Getting to know the basic biochemical processes in human body, anabolic and catabolic processes, energy utilization and calculation. Getting to know the chemical composition of food and understanding these chemical or biological alterations of these substances. Understanding chemical reactions between various additive substances and food ingredients. Getting to know the experiments and chemical calculations with food ingredients to create a nutritional science attitude.
FABDI22AN44	Dietetics IV.	6	lecture+practice	English	V.	semester exam	In class theory, students will learn about nutritional status and dietary assessment methods as well as diet/nutrition therapy (Nutrition Care Process). They learn dietary aspects and medical nutrition therapy (MNT) of each disease with regard to energy and nutrient content to be provided, ingredients to be used, food and cooking methods to be used. In class practice, preparing, serving and tasting meals that can be included in each diet, following rules of dietary cuisine during practice in training kitchen
FABDI22AN45	Dietetics III.	4	lecture+practice	English	V.	practical course grade	Course explains theory and practice of dietotherapy and student is able to select from the ingredients and food preparation technologies. During course students learn practical knowledge of special diets.
FABDI22AN46	Food knowledge and food industrial technology I.	4	lecture	English	V.	semester exam	Students will learn about the properties of food ingredients and ready-to-serve products that can be used in different diets and in normal food preparation, including understanding composition of different ingredients and food products. Introduction to the process of food ingredients 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 nutritional properties of foods and validating these aspects in product development.
FABDI22AN47	Clinical Dietetics II.	4	lecture	English	V.	semester exam	Our aim is to give a knowledge which is useful in a theoretical and practical too, and the student be 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
FABDI22AN4801	Internal medicine II. theory	4	lecture	English	V.	semester exam	Students know specifics of internal diseases, their symptoms, clinical appearances, laboratory differences and therapies for these diseases. Important diseases are that have special nutritional aspect.
FABDI22AN4802	Internal medicine II. practice	5	practice	English	V.	practical course grade	Students know specifics of internal diseases, their symptoms, clinical appearances, laboratory differences and therapies for these diseases. Important diseases are that have special nutritional aspect.
TBA	Dietetics VIII.	5	lecture+practice	English	VII.	semester exam	In the class theory, students will learn about dietary aspects and dietary therapies / medical nutrition therapy of each disease with regard to energy and nutrient content to be provided, ingredients to be used, foods and cooking methods to be used. They gain insight into dietary documentation and minimum personal requirements of dietetic activity. During the practice, students will have a theoretical knowledge of dietetics and will be able to practice a dietetic procedure / nutrition care process / medical nutrition therapy.
TBA	Dietetics VII.	4	lecture+practice	English	VII.	semester exam	The students learn about the dietary aspects and dietotherapy of diseases in terms of energy and nutrient content, foods that are recommended, and suitable food preparation procedures. The students gain insight into the dietetic documentation and the personal minimum conditions of the dietetic activity. During the internship, students gain theoretical knowledge of dietetics and learn nutritional intervention, dietotherapy, and the practical implementation of nutrition therapy.
TBA	Dietetics of infant and children diseases	3	practice	English	VII.	practical course grade	Student should master characteristics of development and functions of digestive system in newborn, infant and childhood. Students get to know normal development of the fetus, newborn, infant and child; nutrient requirements for optimal development typical of different stages of a child's life. Students get to know characteristics of nursing infants and children; masters modern principles of infant nutrition; are familiar with pathophysiology, symptoms, diagnosis and therapy of infant and childhood diseases. Student should be familiar with and understand nutritional science of infants and children and their therapies.
TBA	Household Economic, Public catering	2	lecture+practice	English	VII.	practical course grade	Aim of course is to teach definitions of household economics through different types of households. To give information about financial and environmental systems in the households.
TBA	Surgery and clinical dietetics	3	practice	English	VII.	practical course grade	TBA
TBA	Health management III.	4	lecture	English	VII.	semester exam	TBA

TBA	Functional food	3	lecture	English	VII.	semester exam	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
TBA	Artficial Nutrition	4	lecture+practice	English	VII.	semester exam	Aim of this course is to teach common clinical nutrition fields, care and possible side effects. It teaches pre- and postoperative nutritional forms and nutritional options for patients who are una-ble to eat in traditional ways. Aim is to ensure that student learns measuring methods that can evince malnutrition or risk of malnutrition, and also the student will be able to choose the best nutritional protocol. Course teaches parenteral nutrition rules, techniquial implementation and used solutions. Student learns enteral nutrition techniquial tasks and available formulas.