



UNIVERSITY OF PÉCS
FACULTY OF HEALTH SCIENCES

Study Guide
autumn 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
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.
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 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. 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.
FESZOC22AN09	Health sociology	3	lecture	English	I.	semester exam	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. 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.
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.
FELETT22AN	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.

TBA	Public Health	4	lecture	English	III.	semester exam	Definition of public health, epidemiology, subfields and role in medical sciences. Structure and system of Hungarian public health. Role of National Public Health and Medical Officer Service (NPHMOS). Human ecology. Structure of atmosphere, physical property and effects to body system. Tapwater in Hungary. Importance of soil for public health. Structure and dispersion of cities and villages. Definition and role of occupational health. Definition and role of health protection. Characteristics of health of Hungarian population. Public health program 2001-2010. Infections: epidemiology and prevention of non-communicable diseases. Epidemiological measures necessary to prevent infections. Epidemiology of enteral, respiratory, transdermal, sexually transmitted and clinical infections.
FEFENP22AN	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
FTNTK22AN	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.
TBA	Patophysiology in health sciences I.	4	lecture	English	III.	semester exam	The course is designed to provide students with fundamental principles of the understanding of the function and regulation of the human body. At the end of the course, students are expected to understand the physiological integration of the organ systems to maintain homeostasis. Students will be able to look at physiological functions from a pathophysiological point of view with a basic knowledge of certain diseases corresponding to the dysfunction of the cells, tissues, organs.
TBA	Mental Care	2	lecture	English	III.	semester exam	TBA
TBA	Fundamentals of patient mobilisation	2	practice	English	III.	practical course grade	TBA
FAPTN22AN	Nursing skills II.	5	lecture+practice	English	III.	semester exam	Theoretical education goal of the course based on evidence-care skills, care professional guidelines, technical protocols and innovative tools introduce the students to the injection vein insurance and infusion therapy, stool and urine output needs, nutritional needs, drug use, blood and oxygen therapy, blood transfusion, need for sleep-rest, grief, death, loss, nursing process.

FAB17NUN1901	Internal medicine and nursing theory II. theory (clinical theory, nursing theory)	4	lecture	English	V.	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 integrating diagnostics, therapy and prevention. The aim of the course is to provide students with theoretical knowledge of the causes, symptoms, diagnostics and treatment of endocrinology, nephrology, hematology and metabolic syndromes. Students will be able to recognize the symptoms of disease and identify appropriate diagnostic and treatment procedures, respond appropriately
FAB17NUN1902	Internal medicine and nursing theory II. simulation/skill practice	5	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 with theoretical knowledge of the causes, symptoms, diagnostics and treatment of endocrinology, nephrology, hematology and metabolic syndromes. Students will be able to recognize the symptoms of disease and identify appropriate diagnostic and treatment procedures, respond appropriately
FAB17NUN2001	Surgery and nursing theory II. theory (clinical theory, nursing theory)	4	lecture	English	V.	semester exam	Clinical knowledge outlines the surgical aspects of the most common diseases in the fields of urological surgery, endocrine surgery, neurosurgery, thermal injuries, musculoskeletal disease, surgery, bone and joint disease surgery, traumatology, polytrauma.
FAB17NUN2002	Surgery and nursing theory II. simulation/skill practice	5	practice	English	V.	practical course grade	Clinical knowledge outlines the surgical aspects of the most common diseases in the fields of urological surgery, endocrine surgery, neurosurgery, thermal injuries, musculoskeletal disease, surgery, bone and joint disease surgery, traumatology, polytrauma.
FAB17NUN2101	Clinical Knowledges and nursing theory I. theory (clinical theory, nursing theory)	4	lecture	English	V.	semester exam	The students should be familiar with the most important ophthalmological, ear, nose and throat, dermatological knowledge and be able to apply this knowledge in practice in the light of the nursing process. Students should be able to apply their knowledge in practice.
FAB17NUN22	Clinical Knowledges and nursing theory II. theory (clinical theory, nursing theory)	2	lecture	English	V.	semester exam	Knowledge of the congenital developmental disorders of the musculoskeletal system, the recognition, symptoms and treatment options of the acquired diseases. Of particular importance are the injured bone, joint and muscle injuries suffered in the post-traumatic, leisure and competitive sports.
FAB17NUN31	Public care, nursing theory (clinical theory, nursing theory)	4	lecture	English	VII.	semester exam	The knowledge of the subject covers the history, development, conceptual system of community care, the relationship system, roles and tasks of community care. It introduces the importance of a multisectoral approach to care, community resources, and legal background. It presents the importance of cooperation in the field of patient care, the tasks and operation of the members of the practice team, social basic and specialist care, providers of home nursing and hospice palliative care. It pays special attention to the community nursing activities of primary, secondary and tertiary prevention, the target groups, the tool system and the methodology of community care for the population belonging to the family medicine practice.

FAB17NUN3201	Intensive care, anaesthetics and nursing theory (clinical theory, nursing theory)	4	lecture	English	VII.	semester exam	Heart failure, causes, symptoms, diagnosis, therapy of acute arrhythmias in the intensive care unit. Defibrillation therapy. Causes, symptoms, diagnosis, therapy of acute chest pain (acute myocardial infarction, pulmonary embolism) in the intensive care unit. Sepsis, SIRS, causes, symptoms, diagnosis, therapy of multiorgan failure in the intensive care unit. Cause, symptoms, diagnosis, and therapy of diseases of the respiratory system requiring intensive care (ARDS / ALI, pneumonia, asthma, acute exacerbation of COPD). Use a ventilator. Cause, symptoms, diagnosis, intensive care of Guillan-Barre syndrome. Causes, symptoms, diagnosis and therapy of acute renal failure in the intensive care unit. Artificial treatment in the intensive care unit. Intensive ward treatment of gastrointestinal bleeding. Toxicology. Causes, causes, symptoms, diagnosis and therapy of coma, meningitis in the intensive care unit. Intensive care in a polytraumatized patient. Causes, symptoms, diagnosis and therapy of acute pancreatitis and acute liver failure in the intensive care unit. Acid-base, electrolyte household disorders, fluid therapy, intensive care unit monitoring. Causes, symptoms, diagnosis and therapy of shock in the intensive care unit.
FAB17NUN3202	Intensive care, anaesthetics and nursing theory simulation/skill practice	5	practice	English	VII.	practical course grade	Heart failure, causes, symptoms, diagnosis, therapy of acute arrhythmias in the intensive care unit. Defibrillation therapy. Causes, symptoms, diagnosis, therapy of acute chest pain (acute myocardial infarction, pulmonary embolism) in the intensive care unit. Sepsis, SIRS, causes, symptoms, diagnosis, therapy of multiorgan failure in the intensive care unit. Cause, symptoms, diagnosis, and therapy of diseases of the respiratory system requiring intensive care (ARDS / ALI, pneumonia, asthma, acute exacerbation of COPD). Use a ventilator. Cause, symptoms, diagnosis, intensive care of Guillan-Barre syndrome. Causes, symptoms, diagnosis and therapy of acute renal failure in the intensive care unit. Artificial treatment in the intensive care unit. Intensive ward treatment of gastrointestinal bleeding. Toxicology. Causes, causes, symptoms, diagnosis and therapy of coma, meningitis in the intensive care unit. Intensive care in a polytraumatized patient. Causes, symptoms, diagnosis and therapy of acute pancreatitis and acute liver failure in the intensive care unit. Acid-base, electrolyte household disorders, fluid therapy, intensive care unit monitoring. Causes, symptoms, diagnosis and therapy of shock in the intensive care unit.
FAB17NUN3301	Oxiology and nursing theory (clinical theory, 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.
FAB17NUN3302	Oxiology and nursing theory simulation/skill practice	5	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.
FAB17NUN3401	Psychiatry and nursing theory (clinical theory, nursing theory)	4	lecture	English	VII.	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.

FAB17NUN35	Gerontology and nursing theory (clinical theory, nursing theory)	4	lecture	English	VII.	semester exam	Based on preliminary studies, to acquaint the student with the anatomy, physiology, diagnosis, therapy of the most common diseases occurring in the geriatric ward, the groups of drugs used for each disease, and their mechanism of action. The task of teaching gerontology knowledge is to provide students knowledge of the current state of medicine and nursing science and to prepare them for practical application in the care of elderly patients, also it is desirable that they be able to have appropriate counseling, information and to carry out nursing activities. It is necessary for the subject to provide a theoretical basis for acquiring practical knowledge.
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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	
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.
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 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. 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.
FESZOC22AN09	Health sociology	3	lecture	English	I.	semester exam	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. 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.
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.

FELETT22AN	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.</p> <p>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>
TBA	Public Health	4	lecture	English	III.	semester exam	<p>Definition of public health, epidemiology, subfields and role in medical sciences. Structure and system of Hungarian public health. Role of National Public Health and Medical Officer Service (NPHMOS). Human ecology. Structure of atmosphere, physical property and effects to body system. Tapwater in Hungary. Importance of soil for public health. Structure and dispersion of cities and villages. Definition and role of occupational health. Definition and role of health protection. Characteristics of health of Hungarian population. Public health program 2001-2010. Infections: epidemiology and prevention of non-communicable diseases. Epidemiological measures necessary to prevent infections. Epidemiology of enteral, respiratory, transdermal, sexually transmitted and clinical infections.</p>
FEFENP22AN	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. 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>
FTNTK22AN	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>

TBA	Patophysiology in health sciences I.	4	lecture	English	III.	semester exam	The course is designed to provide students with fundamental principles of the understanding of the function and regulation of the human body. At the end of the course, students are expected to understand the physiological integration of the organ systems to maintain homeostasis. Students will be able to look at physiological functions from a pathophysiological point of view with a basic knowledge of certain diseases corresponding to the dysfunction of the cells, tissues, organs.
TBA	Mental Care	2	lecture	English	III.	semester exam	TBA
TBA	Fundamentals of patient mobilisation	2	practice	English	III.	practical course grade	TBA
TBA	Anatomy in Health Sciences III.	3	lecture+practice	English	III.	semester exam	TBA
TBA	Theory of training	3	lecture+practice	English	III.	practical course grade	The aim of the course is to familiarize students with the physiological effects of physical stress, the main elements of cardiorespiratory adaptation, the correlations of conditioning capabilities, the possibilities of developing strength, speed, endurance and flexibility, in order to explain and understand the activities and interventions related to movement in their later studies. Learn about the benefits of regular physical activity and sporting lifestyles, and apply them to prevent and rehabilitate the most important cardiovascular, locomotor and neurological diseases. Obtain practical skills in assessing the effects of physical activity, sport-like workouts, learning about ergometric procedures and performance characteristics that are most commonly used in patient and healthy testing. Learn the practical knowledge of regular physical activity, be familiar with emergency situations and first aid for injuries.
FAB17PHN10	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.
FAB17PHN26	Movement analysis II. practice	2	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.
FAB17PHN2701	Functional analysis and examination of movement II. practice	4	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 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.
FAB17PHN28	Internal medicine I.	4	lecture	English	V.	semester exam	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.
FAB17PHN2901	Physiotherapy II. theory	4	lecture	English	V.	semester exam	In the framework of the theoretical education of clinical physiotherapy, the student learns the basics of special medical kinesiology (cardiology). The material of clinical movement therapy is based on the internal medicine theory and prepares the demonstration and clinical practice. The theoretical material includes physiotherapy methods related to diagnoses.
FAB17PHN2902	Physiotherapy II. practice	4	practice	English	V.	practical course grade	The student learns the basics of special internal medicine (cardiology) kinesiology, methods and practices of treating diseases.

FAB17PHN3001	Physiotherapy III. theory	4	lecture	English	V.	semester exam	The student will be familiar with the methods of physiotherapy used in pulmonology, healing procedures and diagnostics of the disease, the physical examination of the pulmonary patient, the knowledge of lung diseases and the basic principles of treatment
FAB17PHN3002	Physiotherapy III. practice	4	practice	English	V.	practical course grade	The student will be familiar with the methods of physiotherapy used in pulmonology, healing procedures and diagnostics of the disease, the physical examination of the pulmonary patient, the knowledge of lung diseases and the basic principles of treatment.
FAB17PHN31	Diagnostically Imaging I.	4	lecture	English	V.	semester exam	After completing the course, the student should have the necessary knowledge about the imaging techniques of the human body and its illnesses. The student should be able to provide professional answers to the patient-related questions related to the implementation and evaluation of procedures. Also he should know the most important areas of indication and contraindications of radiological examinations. Be aware of what is expected of each procedure in the diseases that are affected, and what kind of lesions are typical of them.
FAB17PHN3301	Movement and massage therapy III. theory	4	lecture	English	V.	semester exam	The student becomes familiar with the place of orthopedic manual therapy, the role in physiotherapy, and in practice acquires the basic elements of the OMT Norwegian System for the examination and treatment of limbs.
FAB17PHN3302	Movement and massage therapy III. practice	5	practice	English	V.	practical course grade	The student becomes familiar with the place of orthopedic manual therapy, the role in physiotherapy, and in practice acquires the basic elements of the OMT Norwegian System for the examination and treatment of limbs.
FAB17PHN34	Sport medicine	1	lecture	English	V.	semester exam	The aim of the course is to acquire the knowledge of sports physiology and sports medicine. Getting to know the different requirements of physiotherapy, mass sports and competitive sports. Obtaining knowledge about training planning, nutrition science, sports cardiology, sports injuries, their rehabilitation.
FAB17PHN48	Orthopaedics II.	4	lecture	English	VII.	semester exam	Orthopedics in the field of physiotherapist training is essential for clinical subjects. The musculoskeletal system, with its congenital and acquired deformities of the musculoskeletal system, degenerative diseases of the joints, primary and secondary changes of the musculoskeletal system, introduces the physiotherapist students to acute and chronic diseases. It deals with the diagnosis, conservative and surgical treatment of certain diseases, especially with the tasks of the physiotherapist in the prevention and healing process. Encourages self-employment by participating in diagnostics of the disease and requires students to develop a treatment strategy for all orthopedic diseases.
FAB17PHN4901	Physiotherapy IX. theory	4	lecture	English	VII.	semester exam	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.
FAB17PHN4902	Physiotherapy IX. practice	4	practice	English	VII.	practical course grade	Familiarize the student with the physiotherapy aspects of orthopedic diseases. Requirement: The student is familiar with the methods of examination of orthopedic physiotherapy and the physiotherapy adapted to each disease.
FAB17PHN5001	Gerontology I. - clinical theory	4	lecture	English	VII.	semester exam	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.
FAB17PHN5002	Gerontology I. - Physiotherapy of Geriatric theory	4	lecture	English	VII.	semester exam	The student acquires the basics of Geriatric 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.
FAB17PHN5003	Gerontology I. - Physiotherapy of Geriatric practice	4	practice	English	VII.	practical course grade	The student acquires the basics of Geriatric 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.

FAB17PHN51	Rheumatology	4	lecture	English	VII.	semester exam	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.
FAB17PHN5201	Physiotherapy X. theory	4	lecture	English	VII.	semester exam	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.
FAB17PHN5202	Physiotherapy X. practice	4	practice	English	VII.	practical course grade	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.
FAB17PHN53	Infant and Child Care I.	4	lecture	English	VII.	semester exam	Student will learn about the characteristics of premature and mature newborns and will get insight into the perinatal intensive care. Student will get to know the normal and abnormal development of infants and children, the main features of delayed development and will be able to distinguish between the normal and abnormal development, and will become familiar with the early detection of different pathological development. Student will expand his/her knowledge about the motor and intellectual development of children and the will know the factors can influence the physiotherapy. Student will hear about the most common emergencies in childhood.
FAB17PHN5401	Physiotherapy XI. theory	4	lecture	English	VII.	semester exam	Infant and child physiotherapy is based on the pediatric medical presentation material. During education, students learn about the anatomical, physiological characteristics of childhood, the development of normal motorium and their pathology, the complex physiotherapy of neurological, internal and locomotor disorders.
FAB17PHN5402	Physiotherapy XI. practice	4	practice	English	VII.	practical course grade	Infant and child physiotherapy is based on the pediatric medical presentation material. During education, students learn about the anatomical, physiological characteristics of childhood, the development of normal motorium and their pathology, the complex physiotherapy of neurological, internal and locomotor disorders.
FAB17PHN55	Obstetrics-Gynaecology I.	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.

FAB17PHN5601	Physiotherapy XII. theory	4	lecture	English	VII.	semester exam	The student acquires the indication, contraindication, structure, physiotherapy principles, the principles of compiling practice and the treatment of gynaecological diseases and urinary problems within the course. The subject program also includes the requirements for the menopause motion program.
FAB17PHN5602	Physiotherapy XII. practice	4	practice	English	VII.	practical course grade	The student knows the physiotherapy procedures that can be used during the course of pregnancy and the puerperal period, the principles of compiling practice, as well as the possibilities to treat gynecological diseases, urinary problems and menopause in practice.
FAB17PHN58	Rehabilitation I.	1	lecture	English	VII.	semester exam	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.
FAB17PHN5901	Rehabilitation II. theory	1	lecture	English	VII.	semester exam	The student must know the aids for walking, medical aids, a wide range of orthoses (brace, relief devices, etc.) and application possibilities.
FAB17PHN5902	Rehabilitation II. practice	1	practice	English	VII.	practical course grade	12 hours of practice: The student needs to know the adult and children walking aids, upper and lower limb prostheses, orthoses, trunk corsets, orthoses, cervical spine orthoses, and must be able to use and insert them. Our students should know the use and insertion of the orthopedic shoes and foot pads, antidecubitus aids, hernia trusses, abdominal supports and compression sock, stockings and bandage. The student should know hygienic, aesthetic, self-sufficiency, perception and communication aids and their role in rehabilitation and physiotherapy. Furthermore the student has to know the wide range of medical and nursing aids and their use. Our students ought to know the use, insertion and teaching of aids in practice, and also the empathy and cooperation with patients.

MIDWIFERY

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.
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 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. 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.
FESZOC22AN09	Health sociology	3	lecture	English	I.	semester exam	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. 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.

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.
FAB18MIN0101	Pharmacology I. theory	2	lecture	English	III.	semester exam	Throughout the course, the student will present a synthesized, complex presentation of the processes of pharmacokinetics and pharmacodynamics, prescription characteristics, mechanisms and causes of drug interactions. It will give you an in-depth understanding of the main classes of drugs to be used in the therapy of each disease process, the specific active ingredients and the principles of drug selection. It will be able to choose the appropriate drug therapy, taking into account the pharmacokinetic and pharmacodynamic effects of each drug and its potential side effects and interactions, taking into account the particular disease process, patient condition and other characteristics. You can order non-magistral preparations on prescription.
FAB18MIN0102	Pharmacology I. practice	1	practice	English	III.	practical course grade	Throughout the course, the student will present a synthesized, complex presentation of the processes of pharmacokinetics and pharmacodynamics, prescription characteristics, mechanisms and causes of drug interactions. It will give you an in-depth understanding of the main classes of drugs to be used in the therapy of each disease process, the specific active ingredients and the principles of drug selection. It will be able to choose the appropriate drug therapy, taking into account the pharmacokinetic and pharmacodynamic effects of each drug and its potential side effects and interactions, taking into account the particular disease process, patient condition and other characteristics. You can order non-magistral preparations on prescription.
FAB18MIN02	Microbiology	3	lecture	English	III.	semester exam	Students learn about the concept and distribution of human pathogenic microorganisms(bacteria, viruses, fungi, parasites, prions), the basic characteristics of each group. Students learn how to detect and eliminate microbes. The students know all the characteristics of pathogenic microbes that are relevant to the pathogenesis of the infections they cause. Students know the role and importance of vaccination.
FAB17MIN04	Public health	4	lecture	English	III.	semester exam	Definition of public health, epideiomology, subfields and role in medical sciences. Structure and system of hungarian public health. Role of National Public Health and Medical Officer Service (NPHMOS). Human ecology. Sturcture of atmosphere, physical property and effects to body system. Tapwater in Hungary. Importance of soil for public health. Structure and dispersion of cities and villages. Definition and role of occupational health. Definition and role of health protection. Characteristics of health of Hungarian population. Public health program 2001-2010. Infections: epidemiology and prevention of non-communicable diseases. Epidemiological measures necessary to prevent infections. Epidemiology of enteral, respiratory, transdermal, sexually transmitted and clinical infections.

FAB17MIN0701	Nursing skills II. theory	6	lecture	English	III.	semester exam	Theoretical education goal of the course based on evidence-care skills, care professional guidelines, technical protocols and innovative tools introduce the students to the injection vein insurance and infusion therapy, stool and urine output needs, nutritional needs, drug use, blood and oxygen therapy , blood transfusion, need for sleep-rest, grief, death, loss, nursing process
FAB17MIN0702	Nursing skills II. practice	6	practice	English	III.	practical course grade	Theoretical education goal of the course based on evidence-care skills, care professional guidelines, technical protocols and innovative tools introduce the students to the injection vein insurance and infusion therapy, stool and urine output needs, nutritional needs, drug use, blood and oxygen therapy , blood transfusion, need for sleep-rest, grief, death, loss, nursing process
FAB17MIN0801	Basic clinical knowledge and propaedeutics theory (newborn, infant and child propedeutics)	3	lecture	English	III.	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. Moreover they will master the basic approaches of midwives and the necessary skills to examine a newborn. 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.
FAB17MIN0802	Basic clinical knowledge and propaedeutics practice (newborn, infant and child propedeutics)	3	practice	English	III.	practical course grade	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. 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
FAB17MIN21	Internal medicine II.	4	lecture	English	V.	semester exam	Learning clinic knowledge in an intergrated form,according to the authority systems. The aim is to learn the anatomical,physiological, pathophysiological, clinical and pharmacological knowledgerelated to each organ system, and integrating the diagnostics, therapy andprevention into the existing nursing knowledge. Topics: kidney, structure and operation of theneuroendocrine system and opportunities for its examination, diagnostics,diseases of the hypophysis - hypothamus, metabolic diseases: diabetes mellitus,fat metabolism, arthritis etc, deficiency diseases, anaemias and theirgrouping, white blood cell diseases, leukemia, lymphomas, coagulationdisorders, transfusion, imflammatory and degenerative joint diseases,differences related to ion disorders, pH differences
FAB17MIN22	Surgery II.	4	lecture	English	V.	semester exam	TBA
FAB17MIN2301	Obstetrics and gynaecology II. clinical theory	4	lecture	English	V.	semester exam	In the course of the obstetrics-gynecology course, the student midwife learns the basics of obstetrics-gynecology, the physiological pregnancy and the physiological birth

FAB17MIN2302	Obstetrics and gynaecology II. nursing theory	4	lecture	English	V.	semester exam	In the course, the obstetrician student learns the fundamentals of Obstetrics and Gynecology, theoretical basics of physiological pregnancy and labour, performing tasks, contraception methods, basic genetics, obstetrical and gynecological examination methods
FAB17MIN2303	Obstetrics and gynaecology II. simulation/skill practice	5	practice	English	V.	practical course grade	Students will acquire the proper knowledge about interventions and examinations performed during pregnancy and will learn adequate communication through the course.
FAB17MIN2401	Intensive care, anaesthetics I. theory	4	lecture	English	V.	semester exam	Prepare students to have sufficient knowledge of the subject of anesthesia to understand theoretical knowledge and to perform the practical tasks of midwifery. In their work, they should be able to apply their knowledge in childbirth management, surgical preparation and nursing of surgical patients. Transferring special knowledge to the field of intensive patient care, with the help of which they are able to care for and care for critically ill patients on the basis of their preparedness, manual skills and personalities.
FAB17MIN25	Clinical knowledges I.	4	lecture	English	V.	semester exam	Students will be introduced to the most important ophthalmological, and ear-nose-throat specialist instructions that they could apply in the nursing process. Topics: anatomy and physiology of the eye, chronic differences, anatomy and physiology of the ear, throat tumours and their treatment, olfactory system and its operation, chronic lesions, analytic methods of dermatology, fundamental phenomena, dermatological local treatment methods, birthmarks and skin diseases, STDs
FAB17MIN26	Clinical knowledges II.	4	lecture	English	V.	semester exam	The course provides all the basic knowledge needed by midwives of lactation and breastfeeding. It includes anatomy, physiology, nutritional values of breastmilk, the effects of breastfeeding on public health, health issues of the lactating mother and the breastfed infant; as well as practical issues regarding correct positioning, pumping and introducing solids.
FAB17MIN3601	Obstetrics and gynaecology V. clinical theory	4	lecture	English	VII.	semester exam	This course is planned to give the up to date information about the evaluation of fetal well-being during pregnancy and also during delivery; other important related topics: possible complications during childbirth and their management; technics of obstetrical operative interventions (also the Odon technic); normal puerperium and puerperal pathologies. According to gynecology, this course discusses the benign and malignant gynaecological tumors, types of gynecologic operations, and also emergencies.
FAB17MIN3602	Obstetrics and gynaecology V. nursing theory	4	lecture	English	VII.	semester exam	During the course the students are become acquainted with pathological cases during pregnancy, pathological delivery, examination methods, pediatric medicine as a special field. Emphasis is placed on gynecological oncology and care of the gynecological patients.
FAB17MIN3603	Obstetrics and gynaecology V. simulation/skill practice	2	practice	English	VII.	practical course grade	Students will acquire the proper knowledge about gynecological patients care, oncocytological screening, pathological obstetric conditions and pathological gynecological conditions.
FAB17MIN3701	Obstetrics and gynaecology VI. theory	4	lecture	English	VII.	semester exam	Students get acquainted with the operation of specialist outpatient clinics, the legal regulation and course of pregnancy. They get acquainted with the possibilities of intrauterine examination of the fetus, the possibilities of prenatal diagnosis. Knows the anatomical and physiological foundations of fetal blood circulation. Knows the forms, indications and contraindications of fetal protection products. Students will get acquainted with the forms of blood glucose testing during pregnancy, the forms of ultrasound testing, and specific antibiotic therapy.
FAB17MIN3702	Obstetrics and gynaecology VI. simulation/skill practice	1	practice	English	VII.	practical course grade	Students get acquainted with the operation of specialist outpatient clinics, the legal regulation and course of pregnancy. They get acquainted with the possibilities of intrauterine examination of the fetus, the possibilities of prenatal diagnosis. Knows the anatomical and physiological foundations of fetal blood circulation. Knows the forms, indications and contraindications of fetal protection products. Students will get acquainted with the forms of blood glucose testing during pregnancy, the forms of ultrasound testing, and specific antibiotic therapy.

FAB17MIN3801	Obstetrics and gynaecology VII. theory	4	lecture	English	VII.	semester exam	Students repeat anatomical and physiological features during pregnancy. At the same time, they gain comprehensive knowledge about alternative obstetric methods, their application methods, forms, and contraindications.
FAB17MIN3802	Obstetrics and gynaecology VII. simulation/skill practice	1	practice	English	VII.	practical course grade	Students repeat anatomical and physiological features during pregnancy. At the same time, they gain comprehensive knowledge about alternative obstetric methods, their application methods, forms, and contraindications.
FAB17MIN39	Psychiatry	2	lecture	English	VII.	semester exam	Teaching the forms, symptomatology and classifications of psychiatric diseases to the students. Teaching knowledge necessary to be able to provide care for psychiatric patients. Topics: Definition and short story of psychiatrics, disorders in thinking and consciousness, disorders of memory and attention, dynamic views and introductory symptoms of important psychiatric diseases, schizophrenia, paranoid psychoses, mood disorders, anxiety disorders, stress disorders, psychosomatic disorders, personality disorders, addictions, oligophrenia, dementia, psychiatric rehabilitation, mental hygiene knowledge
FAB17MIN4001	Preparation for delivery theory	1	lecture	English	VII.	semester exam	The student review the anatomical and physiological specialities of pregnancy, the signs and management of labour. The student also get knowledge about preparing programme of childbirth and the psychological coaching for the labour and early parenthood.
FAB17MIN4002	Preparation for delivery practice	1	practice	English	VII.	practical course grade	During the course, students repeat the anatomical and physiological features during pregnancy. At the same time, they gain a comprehensive understanding of the signs, causes and tasks of childbirth. They will be able to make a birth plan. The student knows the historical forms of childbirth, knows the hypothesis of natural childbirth, the psychological features of pregnancy and childbirth.

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.
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 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. 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.
FESZOC22AN09	Health sociology	3	lecture	English	I.	semester exam	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. 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.

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.
FELETT22AN	Physiology in Health Science II.	5	lecture	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.
TBA	Public Health	4	lecture	English	III.	semester exam	Definition of public health, epidemiology, subfields and role in medical sciences. Structure and system of hungarian public health. Role of National Public Health and Medical Officer Service (NPHMOS). Human ecology. Sturcture of atmosphere, physical property and effects to body system. Tapwater in Hungary. Importance of soil for public health. Structure and dispersion of cities and villages. Definition and role of occupational health. Definition and role of health protection. Characteristics of health of Hungarian population. Public health program 2001-2010. Infections: epidemiology and prevention of non-communicable diseases. Epidemiological measures necessary to prevent infections. Epidemiology of enteral, respiratory, transdermal, sexually transmitted and clinical infections.

FEFENP22AN	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
FTNTK22AN	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.
TBA	Pathophysiology in health sciences	4	lecture	English	III.	semester exam	The course is designed to provide students with fundamental principles of the understanding of the function and regulation of the human body. At the end of the course, students are expected to understand the physiological integration of the organ systems to maintain homeostasis. Students will be able to look at physiological functions from a pathophysiological point of view with a basic knowledge of certain diseases corresponding to the dysfunction of the cells, tissues, organs.
TBA	Food preparation I.	5	lecture+practice	English	III.	semester exam	To master the theoretical and practical criteria of food preparation technologies essential for a healthy diet. 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 colloidics, chemistry and microbiology and their nutritional biology.
TBA	Basic of Food Science	2	lecture	English	III.	semester exam	TBA
TBA	Nutrition biology I.	3	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.

TBA	Food chemistry, - biochemistry I.	5	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. Knowledge of the chemical composition of the food and its chemical reactions and their biological interpretation.
FAB17DIN2301	Dietetics II. theory	4	lecture	English	V.	semester exam	Students will learn about nutritional status and nutrition testing methods as well as Nutrition Care Process. They learn dietary aspects and medical nutrition therapy (MNT) of each disease with regard to energy and nutrients content to be provided, ingredients to be used, food and cooking methods to be used.
FAB17DIN2302	Dietetics II. practice	5	practice	English	V.	practical course grade	Preparing, serving and tasting meals that can be included in each diet, following rules of dietary cuisine during practice in training kitchen.
FAB17DIN2401	Dietetics III. theory	4	lecture	English	V.	semester exam	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.
FAB17DIN2402	Dietetics III. practice	5	lecture	English	V.	practical course grade	The subject contains the dietotherapy theory and practical knowledge's, and the student is able to select from the ingredients and food preparation technologies. The subject contains the special diets practical knowledge's too.
FAB17DIN25	Health Care management I. theory	3	lecture	English	V.	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.
FAB17DIN26	Clinical Dietetics II.	4	lecture	English	V.	semester exam	Our aim is to give a knowledges 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 int he prevention and dietotherapy
FAB17DIN2701	Internal medicine II. theory	4	lecture	English	V.	semester exam	Students know specifics of internal diseases, their symptomes, clinical appearances, laboratory differences and therapies for these diseases. Important diseases are that have special nutritional aspect.
FAB17DIN2801	Food knowledge and food industrial technology II. theory	4	lecture	English	V.	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.
FAB17DIN3901	Dietetics VI. theory	4	lecture	English	VII.	semester exam	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.

FAB17DIN3902	Dietetics VI. practice	5	practice	English	VII.	practical course grade	Students will have a theoretical knowledge of dietetics and will be able to practice a dietetic procedure / nutrition therapy.
FAB17DIN4001	Dietetics VII. theory	4	lecture	English	VII.	semester exam	Learning theoretical and practical aspects of diet therapy, student will be able to select appropriate ingredients for each diet and select technology to use during preparation of diets. Course contains practical knowledge of special diets too.
FAB17DIN4002	Dietetics VII. practice	5	practice	English	VII.	practical course grade	The subject contains the dietotherapy theory and practical knowledge's, and the student is able to select from the ingredients and food preparation technologies. The subject contains the special diets practical knowledge's too.
FAB17DIN41	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.
FAB17DIN4201	Household Economic, Public catering theory	4	lecture	English	VII.	semester exam	Aim of course is to teach definitions of household economics through different types of households. To give information about financial and envirolmental systems in the households.
FAB17DIN4202	Household Economics, Public catering practice	5	practice	English	VII.	practical course grade	During practice student learns process of making a budget and calculation of households.
FAB17DIN4301	Surgery and clinical dietetics theory	4	lecture	English	VII.	semester exam	Knowledge of dietary therapies most commonly used in or after the preparation of ear-nose-throat, urology, obstetrics and gynecology, dermatology. To introduce the basic surgical concepts and the most important gastrointestinal surgeries as well as the most common forms of nutrition before and after surgery. The aim of the course is to provide the student with the basic theoretical knowledge in the above mentioned clinics. Understanding of how to solve dietary problems in the ear-nose throat, urology, obstetrics and gynecology, diseases and gastrointestinal interventions.