

Syllabus part 1

General characteristics of the study	
Organisational unit responsible for the area (specialisation) of study:	Faculty of Nursing and Obstetrical Nursing, Toruń Branch
Area (specialisation) of study <i>(name of the area (specialisation) must be adequate to the contents of the study syllabus, especially to the expected learning outcomes)</i>	Nursing
Level of education: <i>(first-cycle degree, second-cycle degree, long-cycle Master's degree programmes)</i>	First-cycle degree programme
Educational profile: <i>(general academic profile, practical profile)</i>	practical profile
Form of study: <i>(full-time programme, part-time programme)</i>	full-time
Optional field specific study (e.g. e-learning, dual)	
Number of semesters:	6
Practical training (total):	1200 hours within the first 6 semesters
OHS training consisting of:	4 hours in the beginning of the 1 semester as part of the Work Safety and Ergonomics Module
Number of ECTS credits necessary for achieving qualifications corresponding to the level of study	180
Total number of ECTS credits obtained:	
for classes requiring direct involvement of university teachers or other persons conducting the classes:	132
for classes in the field of humanities and social sciences:	15
for practical training:	48
for modules of classes associated with professional practice preparation:	41
for classes conducted remotely (applies to e-learning);	
Percentage of ECTS credits for each scientific discipline <i>(applies to the field of study related to more than one scientific discipline):</i>	
Main discipline: Health Sciences	97%
discipline (disciplines) Social sciences, Education sciences, Psychological sciences	1%, 1%, 1%
Total student workload	4797
Degree awarded to the graduate:	Bachelor of Science in Nursing
Indication, whether the stakeholders' opinions have been considered in the process of defining the learning outcomes and the process of development and improvement of the curriculum <i>(provide information about contracts signed with employers, meetings held; graduate follow-up, etc.)</i>	
Initial requirements <i>(the expected qualifications of a candidate - especially in the case of second-cycle studies)</i>	
Area (specialisation) - field of study relationship	

Syllabus part 2

Area: Nursing			Study modules including the expected learning outcomes				Evaluation method	Number of ECTS credits	Methods of verification of the intended learning outcomes of the student
Study modules	Courses * - means that a course is optional/facultative	Expected learning outcomes	Curriculum content ensuring the achievement of learning outcomes						
Module A Basic courses									
Module A	Anatomy	A.W.1, A.U.1, K.S.5, K.57	<p>Form of tutoring, lecture and lecture - e-learning 1. Descriptive location, body axes and planes. General characteristics of the skeletal and muscular systems. Upper and lower limb bones. Joint structure and types; joint movement. Limb muscle groups. 2. General structure and divisions of the nervous system. Peripheral nervous system. Structure of the spinal nerve. Brachial plexus and lumbosacral plexus. Peripheral nerves of the limbs and nerve plexus. 3. General structure of the circulatory system. Great vessels in the chest, abdomen and neck. Lymphatic system structure. Arteries and veins of the limbs. 4. Structure of the spine and chest. Topography of the organs of the mediastinum. Heart. Coronary vessels. Heart conduction system. Cardiac silhouette in physical examination and X-ray imaging. 5. General structure and divisions of the respiratory system. Topography of the organs of the neck. 6. Topography of the organs of the abdomen - intra- and extra-peritoneal location. Digestive tube structure. Major endocrine glands of the abdomen. Biliary tract. Spleen. Great vessels of the abdomen. The hepatic portal system. Innervation of the abdominal organs - the role of the autonomic nervous system. 7. The structure of the urinary and genital system organs. 8. The structure of the skull. Temporomandibular joint. Meninges of the brain. The structure of the eye, ear and balance organs. General characteristics of the cranial nerves. 9. Structure and divisions of the central nervous system (CNS). Ventricular system. Cerebrospinal fluid circulation. Vessels of the brain and spinal cord. 10. The most important functional systems and connections in the CNS. Structure and function of the cerebral cortex. Selected aspects of the clinical anatomy of the CNS. Form of tutoring: classes 1. Bones of the limbs, joints and joint movement. Limb muscle groups. Motor functions of selected muscle groups. 2. Major peripheral nerves of the upper and lower limbs. Characteristic features of peripheral nerve palsy. 3. Topography of the main arteries and veins of the limbs. The sites of the most common vascular injuries in the limbs; potential consequences of the injury. Pulse taking points on the upper and lower limbs. 4. Cardiac silhouette in X-ray imaging and physical examination; cardiac auscultation points. 5. Topography of the organs of the respiratory system (upper and lower respiratory tract). General topography of the organs of the neck. Chest organs in X-ray imaging. 6. Topography of the organs of the urinary and genital systems. The pelvic diaphragm. 7. Anatomy of the abdominal and genitourinary system organs. The structure of the skull. The mechanics of the temporomandibular joint. The structure of the vision and hearing organs. Cranial nerve topography. 8. The structure of the brain hemispheres, brain stem and spinal cord. General topography of the ventricular system. Topography of the main arteries and veins of the brain and spine. 9. The most important structures of the CNS and their role in the function of selected systems (e.g., the musculoskeletal, sensory, limbic and autonomic systems).</p>				Exam - lecture, lecture-e-learning / Graded credit - Classes	3,5	Test / Analysis of information on a given topic - worksheet / Teacher assessment
Module A	Physiology	A.W.2, A.W.3, A.W.4, A.W.5, A.U.2, A.U.3, K.S.5, K.57	<p>Form of tutoring, lecture and lecture-e-learning *Electrophysiology: The excitability and movement of the body. The occurrence of the resting and action potential of the cell. Reactions to a stimulus. The reaction of an excited muscle cell - contraction. Transmission of excitation along the neurite and at the synapse. Neurotransmitters. Unconditioned and conditioned reflexes. Physiological aspects of body ageing. *Autonomic nervous system, sympathetic and parasympathetic systems. * Physiology of striated and smooth muscles: Description of the contraction of the striated muscle fibres. Muscle characteristics: smooth, transversely striated and cardiac. The structure and function of the skeletal muscles Skeletal and smooth muscle contraction. Sources of energy needed for contraction. Physiological aspects of body ageing. *Cardiovascular system: the function of the heart. Lymphatic system. *Blood: Blood functions: transport, homeostasis, immunity. Physical and chemical properties of blood. Morphotic and non-morphotic elements in the blood. Physiological aspects of body ageing. *Respiratory physiology: The mechanism of breathing. Spirometry and lung ventilation. Pulmonary circulation. Gas exchange - gas laws, diffusion. Neural regulation of respiration. *Physiology of the excretory system: the role of the kidneys - renal circulation. Glomerular filtration - urine formation. Water and electrolyte balance. Acid-base balance. Body fluids, Osmoreceptor-ADH feedback system. *Gastrointestinal physiology: Motility of the gastrointestinal tract and biliary tract. Classification of digestive enzymes. Digestive processes along the gastrointestinal tract. *Endocrine glands and metabolism, physiological activities under endocrine control. Neurohormonal control of metabolism, growth and reproduction. Basic hormones of the digestive tract. Neurohormonal regulation of the functioning of the respiratory and circulatory systems. Thermoregulation. Form of tutoring: classes Assessment of human physiological reflexes: pupillary light reflex, corneal reflex, knee jerk reflex, ankle jerk reflex, plantar reflex, biceps and triceps stretch reflex, defence reflex triggered from pain, warm and cold receptors in the human skin. *Examination of visual acuity (Snellen chart) and colour vision (Ishihara test). Determination of Mariotte blind spot in the human eye. *Hearing loss tests to distinguish between conductive and sensorineural hearing loss using a tuning fork (Weber, Rinny, Schwabach tests). *Impairment of haemostatic factors on red blood cells. Blood typing using the ABO blood group system. Determination of clotting times. Blood smear - identification of morphotic elements. Cardiovascular physiology. Bioelectric action potentials of the human cardiac muscle. *The stimulus-conduction system. The influence of adrenaline and acetylcholine on the function of the cardiac muscle. *Spirometry - determination of VC, FEV1, PEF, MEF25, MEF50, MEF75, FE25 / 75 and FEV1/VC. Chest circumference change during respiration. Changes in heart rate during inhalation and exhalation (sleep breath test). Determination of the duration of voluntary apnoea. Measurement of haemoglobin oxygen saturation in the capillaries and heart rate (pulse oximetry). *Assessment of physical and chemical properties of urine. Microscopic evaluation of urine sediment.</p>				Exam - Lecture, Lecture-e-learning / Graded credit - Classes	3,5	Test / Analysis of information on a given topic - worksheet / Teacher assessment
Module A	Pathology	A.W.6, A.W.7, A.W.8, A.W.22, A.U.2, A.U.4, A.U.5, K.S.5, K.57	<p>Form of tutoring, lecture and lecture-e-learning Introduction and characteristics of the course - explanation of the term pathology and the issues that this field of knowledge deals with. 2. Explanation of the basic concepts (organs; flow channels, homeostasis, adaptation). The organism as a complex, ordered (the concept of entropy) and open system. 3. General view of health and disease - concepts of health (the concept of health according to Hippocrates), the dynamics of health and disease. 4. Pathogenic factors - the aetiology (cause) of the disease. Causes of disease: Internal (genetic and developmental disorders, body ageing) and external (physical, chemical and biological). 5. Pathogenesis (origin) of a disease - the concept of disease (disease entity and disease characteristics). Pathological processes initiated by pathogenic factors (morphological changes, neoplastic changes, inflammatory changes and circulatory disorders). 6. Concepts: signs and symptoms, history and physical examination. The most common signs and symptoms - systemic (fatigue, fever, non-pyrogenic hyperthermia), local (pain - receptors, centres and conduction of pain, headaches, back pain and arthralgia, chest pain, abdominal pain) and psycho-neurological-sensory signs. Form of tutoring: classes 1. Topography of internal organs of the human body in terms of the most common chronic cardiovascular diseases in adults. * The most common cardiovascular diseases in the adult population - statistics. * Pathological lesions in the heart and blood vessels in the course of ischaemic heart disease, arterial hypertension and atherosclerosis, venous and arterial insufficiency. * Comparison of a healthy organ and a diseased organ. * Pathological lesions in other organs of the human body in the course of ischaemic heart disease, arterial hypertension, cardiovascular insufficiency and atherosclerosis. Comparison of a healthy organ and a diseased organ. * Pathological lesions in the course of ischaemic heart disease, arterial hypertension and atherosclerosis. 2. Topography of internal organs of the human body in terms of the most common chronic respiratory diseases in adults. * The most common respiratory diseases in the adult population - statistics. * Pathological changes in the lungs in the course of chronic obstructive pulmonary disease, bronchial asthma and lung cancer. Comparison of a healthy organ and a diseased organ. * Pathological lesions in other organs of the human body in the course of chronic obstructive pulmonary disease, bronchial asthma and lung cancer. 3. Topography of internal organs of the human body in terms of the most common chronic diseases of the digestive system in adults. * The most common diseases of the digestive system in the adult population - statistics. * Pathological lesions in the digestive system in the course of colorectal cancer, irritable bowel syndrome, gastric ulcer and duodenal ulcer disease. Comparison of a healthy organ and a diseased organ. * Pathological lesions in other organs of the human body in the course of colorectal cancer, irritable bowel syndrome, gastric ulcer and duodenal ulcer disease. Comparison of a healthy organ and a diseased organ. * Pathophysiology of lesions in the course of colorectal cancer, irritable bowel syndrome, gastric ulcer and duodenal ulcer disease.</p>				Exam - Lecture, Lecture-e-learning / Graded credit - Classes	3,5	Test / Analysis of information on a given topic - worksheet / Teacher assessment
Module A	Genetics	A.W.9, A.W.10, A.W.11, A.W.12, A.U.3, A.U.4, K.52	<p>Form of tutoring, lecture and lecture-e-learning 1. Genetics as a science of heredity and variability of organisms. Stages of the development of genetics. Basic genetic terminology. Genetics in medicine. 2. Structure of genetic material. DNA and its replication. Complementarity of nucleotides. A gene as part of DNA. Features of the genetic code. 3. Types and importance of RNA. Transcription and translation processes. The way of genetic information. The mosaic structure of the gene (exons and introns). 4. Structure and types of chromosomes. The course and biological role of mitosis and meiosis. The role of crossing over in trait inheritance processes. 5. Mendel laws and Morgan chromosomal theory of inheritance. 6. Human genome and karyotype. Inheritance of selected human features. Alternative inheritance. Mechanism of single and twin gene crosses. Multiple alleles - blood groups. Inheritance of biological gender and gender-linked traits. 7. Mutagenic factors. Gene and chromosomal mutations. Selected human genetic diseases. 8. Genetic and immunological research. Methods and application of classical and molecular cytogenetics. Molecular research methods in relation to human pathology. 9. Genetic counselling. Pedigree analysis. Gene therapy. 10. Genetic basis of oncogenesis.</p>				Graded credit - Lecture	1	Test / Analysis of information on a given topic - worksheets / Discussion
Module A	Biochemistry and biophysics	A.W.13, A.W.14, A.W.15, A.W.16, A.U.5, K.S.5, K.57	<p>Form of tutoring, lecture and lecture - e-learning 1. Biophysical basis of human body function. 2. Physical basis of the process of circulation, gas exchange, and thermoregulation. 3. Application of microscopic examinations in medical sciences. 4. Principle of ultrasound. 5. Magnetic resonance imaging and its application in medicine. 6. X-ray radiation - medical applications. 7. Fundamentals of computed tomography. 8. Radiotopes and their application in medicine. 9. Chemical composition of the human body, properties and functions of proteins, carbohydrates, lipids, minerals, vitamins, and water. 10. Regulation of nerve cell function, synapses, conduction of nerve impulses. 11. Biochemical processes taking place in cells and their general characteristics. 12. Division of organic compounds according to their occurrence and functions. 13. Structure and properties of simple and complex lipids. Enzymatic digestion of fats. 14. Structure and properties of simple and complex carbohydrates. Importance of carbohydrates in metabolic processes. 15. Structure and properties of proteins. 16. Hormonal regulation of metabolic changes in the human body. 17. Structure and types of nucleic acids, replication, transcription, translation. 18. Production and storage of energy in the cell; the function of the Krebs cycle and respiratory chain.</p>				Graded credit - Lecture, Lecture-e-learning	1,5	Test / Teacher assessment
Module A	Microbiology and parasitology	A.W.17, A.W.18, A.U.6, K.S.5, K.57	<p>Form of tutoring, lecture 1. Microbiology as a science, positive and negative impact of viruses, bacteria and fungi in medicine and the environment; 2. Structure, classification, identification, metabolism and genetics of microorganisms, the impact of physical and chemical factors on microorganisms; 3. Pathogenesis of infectious, violence factors, the mode of transmission of infectious diseases; 4. Human microbiota - its importance for the proper body function, affecting factors, the most important microorganisms of the microbiota, probiotic bacteria, interactions between microorganisms and between microorganisms and macroorganisms; 5. Parasitology - the emergence and function of the parasite-host system, sources of infection and pathways of parasite entry, 6. Structure, development, division of human parasites and their location in the host's body; 7. The most important human parasites, the aetiological factor - protozoa, flukes, tapeworms, nematodes and arthropods, prevention of parasitic diseases; 8. Vector diseases - viruses, bacteria, parasitic protozoa and nematodes transmitted by bloodsucking arthropods, symptoms of infection, areas of occurrence, prevention. Form of tutoring, Laboratory classes 1. The basics of microbiological, mycological and parasitological diagnostics, rules for collecting microbiological and parasitological material; 2. Microscope and microscopy, determination of magnification, methods of preparing microscopic slides, methods of measuring objects under the microscope, viewing microbiological and parasitological preparations; 3. Staining techniques, morphology and spatial arrangement of bacteria, viewing microbiological slides; 4. Bacterial culture methods, factors affecting bacterial growth, methods of inoculation, types of media, the use of metabolic properties of microorganisms in their differentiation, methods for determining the sensitivity of bacteria to chemotherapeutic agents - antibiotic profile and its interpretation, description of colony morphology; 5. Human parasitic diseases caused by internal parasites (protozoa, flukes, tapeworms, nematodes) and external parasites (arthropods), main symptoms, invasive form, diagnostic methods, prevention, viewing parasitology slides.</p>				Graded credit - Lecture / Graded credit - Laboratory classes	3	Test / Performing individual tasks / Teacher assessment
Module A	Pharmacology	A.W.19, A.W.20, A.W.21, A.W.22, A.W.23, A.W.24, A.W.25, A.U.7, A.U.8, A.U.9, A.U.10, K.S.3, K.54	<p>Form of tutoring, lecture 1. The basics of general pharmacology, pharmacodynamics and pharmacokinetics. 2. Drugs acting on the autonomic nervous system (drugs that stimulate and inhibit the activity of the parasympathetic system, drugs that stimulate and suppress the activity of the sympathetic system). 3. Drugs acting on sensory nerve endings; agents that affect neuromuscular transmission and skeletal muscles. 4. Non-steroidal anti-inflammatory drugs (antipyretics, agents used in rheumatoid diseases). 5. Cardiovascular medications (CV drugs exerting a positive inotropic effect, antiarrhythmic drugs, agents used in the treatment of arterial hypertension, agents used in the treatment of ischaemic heart disease, diuretics, pharmacotherapy of atherosclerosis, antithrombotics, anticoagulants, agents affecting haemostasis); 6. Drugs affecting the function of the central nervous system (hypnotics and sedatives, general anaesthetics, drugs used in disorders of the extrapyramidal system, anxiolytics, psychotropic drugs - anxiolytics, neuroleptics, antidepressants, psycho-stimulants, nootropics and pro-cognitive drugs; painkillers). 7. Gastrointestinal medications (agents that stimulate the secretion of gastric acid, agents used in peptic ulcer disease, antiemetic drugs, choleretics and cholangogues, laxatives and constipants, agents against intestinal parasites). 8. Respiratory medications (expectorants and antitussives, medications for conditions associated with respiratory muscle spasticity). 9. Cancer chemotherapy and biotechnological drugs - recombinant drugs, principles of gene therapy. 10. Drug interactions and adverse drug reactions. 11. Characteristics and uses of foodstuffs that can be continued by a nurse or obstetric nurse. Foods for particular nutritional uses, including milk protein hydrolysates. 12. Use of foodstuffs that can be continued by a nurse and obstetric nurse in patients in a specific biophysiological situation. 13. Sources of information on current lists of reimbursed foodstuffs. Form of tutoring: Classes 1. List of medications that a nurse is authorized to administer on their own without a doctor's order. 2. Prescription, elements of a prescription for continuation treatment. 3. Principles of issuing prescriptions as part of continuation treatment, including proper keeping of medical records - entries in the medical history, authorization to collect medications, confirmation of receipt of prescriptions. 4. Principles of treatment with blood and blood substitutes. 5. Preparation of prescription forms for medicinal substances and foodstuffs for particular nutritional uses ordered by a doctor. 6. Using pharmaceutical guides and databases on medicinal products. 7. Prescribing drugs and foodstuffs for particular nutritional uses as continuation treatment. 8. Case studies - as part of the continuation treatment - making decisions about the continuation treatment with a medicinal product, the need for a physical examination, diagnostic or medical consultation. 9. Toxicological hazard in specific age groups and various clinical conditions. 10. Reimbursement and payment - product price, reimbursed amount, difference between the product price and the reimbursement limit, calculation of the final price of a medicinal product or food for special nutritional uses. 11. Side effects - procedure for reporting side effects.</p>				Exam - Lecture / Graded credit - Classes	3	Test / Analysis of information on a given topic - worksheet / Individual or group tasks / Teacher assessment
Module A	Radiology	A.W.26, A.U.11, K.S.5, K.57	<p>Form of tutoring, lecture 1. Characteristics of X-rays. 2. General information on X-ray anatomy. Classical X-ray diagnostics. Newer imaging techniques (CT, MDCT, NMR, whole body CT). Capabilities of diagnostic examinations with the use of X-rays. 3. Characteristics of classical X-ray examinations, examinations with the use of contrast. 4. Computed tomography (CT, CT-Computerized Tomography), NMR (Nuclear Magnetic Resonance), radiodiagnosis (Multidetector Computerized Tomography). 5. Characteristics of the capabilities of interventional radiology. 6. Basic knowledge of radiological protection and the risk of using contrast agents. Side effects of radiation therapy. 7. Indications for X-ray examinations, including their advantages and disadvantages. Ability to assess basic pathological lesions based on radiological examinations. Ability to evaluate imaging examinations in basic diseases and injuries.</p>				Graded credit - Lecture	1	Test / Analysis of information on a given topic / Teacher assessment
Module A Additional courses									
Module A	OHS Training	E.W.3, E.W.4, E.U.2, K.56	<p>Form of tutoring, Lecture - e-learning 1. Theoretical bases of occupational hygiene and safety. 2. Theory and legal aspects of occupational safety. 3. Theory of ergonomics and its practical application. 4. The basics of management. 5. Occupational safety management. 6. Selected issues of psychology and physiology of work. 7. Shaping the working conditions and environment. 8. Legal basis of occupational health and safety.</p>				Credit- lecture-e-learning	0	Test on the e-learning platform

Syllabus part 2

Area: Nursing		Study modules including the expected learning outcomes				
Module A	Practical basis of remote learning	E.W.5, E.W.6, E.U.3, E.U.4, E.U.5, K.55	<p>Form of tutoring: Lecture/Lecture + e-learning – Topic 1 - Lifelong learning - the pace of change in the world, methods of professional self-improvement. Topic 1 - IT security – logging into WSG systems, network security elements; Topic 3 - working with the LMS – a place where information appears, sources of knowledge, activation methods, communication methods, learning outcome verification methods.</p>	Credit - Lecture, Lecture+e-learning	0	Test on the e-learning platform, quizzes and exercises
Module A	Physical education	E.W.1, E.W.2, E.U.1, K.58	<p>Form of tutoring: Workshop classes You can choose from: 1/team games, 2/fitness, 3/sports sections. 1. Team games: moving around the playing area, improving the basic elements of technique and tactics of the game, elements of the game, and training, games and activities used in team games, rules of the game and refereeing, organization of team game tournaments. A general workout with elements of basketball. b. General workout with elements of volleyball, c. General workout with elements of handball, d. General workout with elements of football, e. General workout with elements of floorball. 2. Fitness: improving general physical fitness, the ability to properly perform exercises and dance techniques, strengthening the postural muscles and other muscle groups, increasing the respiratory and circulatory capacity of the body, body awareness, knowledge of individual muscle groups and appropriate exercises. 3. Sports sections: participation in sports sections (basketball, volleyball, football, handball, futsal, bocce, goball) at the WSG University Sports Club and taking part in competitions (Kujawski-Pomorskie Academic Championships, Polish Academic Championships, Uniwersiade, Academic European Championships).</p>	Credit - Workshop classes 2nd and 4th semester	0	Teacher assessment, self-assessment, analysis, observation
Module B Social sciences and humanities						
Module B	Psychology	B.W.1, B.W.2, B.W.3, B.W.4, B.W.5, B.W.6, B.U.1, B.U.2, B.U.3, B.U.4, B.U.5, B.U.6, B.U.7, B.U.8, K.51, K.52, K.53, K.54, K.55, K.56, K.57	<p>Form of tutoring: Lecture / Lecture + e-learning 1. Psychological concepts of man. 2. Orientation and cognitive processes. 3. Emotional and motivational processes. 4. Mental development. 5. Stress - concepts, manifestations, factors causing stress. 6. Styles and strategies of coping with difficult situations, including disease. 7. Personality disorders. 8. Intellectual disability and dementia. 9. The influence of the mind on somatic diseases and the causing of somatic factors on the mental condition. 10. Psychobiology of disease processes. 11. Supportive psychological therapy in somatic diseases. 12. Communication between nurse and patient, nurse and treatment team members, and nurse and the patient's family. 13. Techniques of reducing negative emotions. 14. Models of crisis intervention. 15. Estimating the risk of suicide in the course of depression and other severe diseases with poor prognosis. 16. Elements of psycho-oncology 17. Stages of mental development and regularities occurring at these stages. 18. Techniques of anxiety reduction, mechanisms of relaxation and mechanisms of the occurrence and prevention of the burnout syndrome.</p> <p>Form of tutoring: Classes 1. Classes consisting in identifying the preferences of one's own "intentions" in the communication process (exercises based on the concept of C. Roger's humanistic psychology). 2. Classes in the scope of emotional intelligence - performing a test involving the recognition of emotional states on the basis of facial expressions (affect). 3. Discussing techniques for dealing with criticism and difficult interlocutors. 4. Discussing techniques for identifying patient in negative emotional condition: anxiety, depression, irritability, aggression. 5. Discussion of anxiety reduction techniques and relaxation techniques. 6. Discussing case studies in the context of psychological and social factors. 7. Practising the elements of the Transaction Analysis. 8. Burnout: identification, prevention. 9. Methods of assessing the effectiveness of treatment and medical care.</p>	Graded credit - Lecture, Lecture+e-learning / Graded credit - Classes	2.5	Test / Performing individual and group tasks / Analysis of information on a given topic - participation in staging, formulating a nursing diagnosis and suggested actions / Discussion, Teacher assessment
Module B	Sociology	B.W.7, B.W.8, B.W.9, B.W.10, B.W.11, B.U.9, K.51	<p>Form of tutoring: Lecture / Lecture + e-learning 1. Culture and its elements. The influence of culture on social life. 2. Social bonds and their importance in social life. 3. Communities and social groups. 4. Family. 5. Socialization. Social personality. 6. Social control and deviancies. 7. Processes and changes in social life influencing public health. 8. The sociological aspect of healthy and unhealthy behaviour. 1. Selected areas of cultural and religious differences</p> <p>Form of tutoring: 1. Activities to prevent discrimination and racism as well as deviancies and pathologies among children and adolescents.</p>	Graded credit - Lecture, Lecture+e-learning / Graded credit - Classes	2	Test / Analysis of information on a given topic / Discussion
Module B	Pedagogy	B.W.12, B.W.13, B.W.14, B.U.10, B.U.11, K.55, K.57	<p>Form of tutoring: Lecture / Lecture + e-learning 1. Pedagogy as a science of upbringing and education of an individual: basic concepts; pedagogy, upbringing, education, educational teaching, didactics. The subject and tasks of pedagogy. Basic pedagogical disciplines. Health pedagogy - theory of health education. Upbringing as a process - definition, types, role of the educator, upbringing and care, features of upbringing. 3. Educational strategies. Shaping the educational environment. Family as an educational environment. Care facilities. 4. Values in upbringing. Upbringing methods. Conditions for effective upbringing. 5. Educational difficulties, behaviour issues. 6. Organization and methods of care and educational work in care facilities. 7. Health education methods.</p> <p>Form of tutoring: Classes 1. Pedagogy as a scientific discipline. Basic and derivative concepts in pedagogy. Tasks of health education. 2. The concept of "holism", preparation of theses for discussion; holism in medicine, nursing and pedagogy. 3. Upbringing methods. Aims of upbringing; drawing special attention today. Conditions for effective upbringing. Educational difficulties, behaviour issues. 4. Explain why there is a need to refer to values in the process of education. What values will you prefer in upbringing. 5. Organizational forms, methods and didactic aids used in patient education. Preparation of class syllabus.</p>	Graded credit - Lecture, Lecture+e-learning / Graded credit - Classes	2.5	Test / Analysis of information on a given topic / Performing individual and group tasks / Preparation of a project and documentation / Teacher assessment
Module B	Medical law	B.W.15, B.W.16, B.W.17, B.W.18, B.W.19, B.U.12	<p>Form of tutoring: Lecture / Lecture + e-learning 1. Basic concepts from selected branches of law. Labour law, obligations of the employee and the employer, the definition of a medical error, its types, responsibility for committing a medical error. 2. Professional, civil and criminal liability. 3. Patient rights - catalogue, rules for the implementation of the medical professional obligation to protect patients; the institution of the Patient's Rights Ombudsman - the role and proceedings within the framework of the institution. 4. Regulations regarding medical services, possible forms of pursuing the profession of a nurse and obstetric nurse, registration of a private practice, the role of the District Chamber of Nurses and Obstetric Nurses, the National Health Fund as the regulator of the medical services, law on health care institutions. Legal regulations authorizing nurses and obstetric nurses to prescribe medications according to medical orders. 5. Case study associated with the class subject.</p>	Graded credit - Lecture, Lecture+e-learning	2	Test
Module B	Public health	B.W.20, B.W.21, B.W.22, B.W.23, B.W.24, B.W.25, B.W.26, B.U.13, B.U.14, B.U.15, K.57	<p>Form of tutoring: Lecture / Lecture + e-learning 1. The concept of public health in medicine. 2. Public health and social medicine. 3. Factors influencing health. 4. Healthy behaviour and its relationship to health. 5. How is public health assessed? 6. Demographics. 7. We live longer - what problems does it create? 8. What our health depends on. 9. Family medical care in health and disease. 10. Medical care at schools as part of public health. 11. Care for the elderly. 12. Systemic model of health care. 13. Health insurance. 14. Contracting medical services. 15. Basic concepts of health and disease. 16. International statistical classifications, including the International Classification of Diseases (ICD-10), Medical Procedures (ICD-9), and Functioning, Disability and Health (ICF).</p> <p>Form of tutoring: Classes 1. Global health care trends in the light of the latest epidemiological and demographic data. 2. The concept of "holism", preparation of theses for discussion; holism in medicine, nursing and pedagogy. 3. The use of international statistical classifications, including the International Classification of Diseases (ICD-10), Medical Procedures (ICD-9), and Functioning, Disability and Health (ICF).</p>	Graded credit - Lecture, Lecture+e-learning / Graded credit - Classes	2	Test / Analysis of information on a given topic / Performing individual and group tasks - nursing diagnosis and nursing process with the use of the classifications / Discussion
Module B	English language	B.U.16, B.U.17	<p>Form of tutoring: Foreign language classes Topics:</p> <ul style="list-style-type: none"> employees, names of professions and positions in the hospital, scope of activities and professional duties + names of hospital departments and services provided to patients in various hospital departments + hospital room equipment + parts of the body, traumas and injuries + admissions to hospital + procedures for assessing the patient's condition, patient well-being, symptoms, exacerbation of symptoms + pain, location, severity and frequency, what causes or increases it + tests, types of tests, test results, treatment options, patient testing. + blood: blood groups, blood vocabulary, blood donation + cardiovascular system and its function + respiratory system, function of the respiratory system, diseases related to the respiratory system, the effect of smoking on the respiratory system + digestive system, function of the digestive system, diseases affecting the digestive system, stomach disorders + groups of drugs, drug dosing, rules of drug administration, side effects of drugs, drug allergies + nutritional habits, proper nutrition, patient's diet, vitamins and food ingredients + hygiene + infections, ailments + basic vital signs, emergencies, first aid, treating injuries in the emergency room + ways of wound dressing and care, vocabulary describing the wound and periwound skin lesions, poorly healing wounds + vocabulary related to kidney examination, CKF test analysis, GFR test results + patient discharge, patient condition and recommendations, equipment / auxiliary equipment rental, form of transport + gynaecology and obstetrics department, signs of pregnancy and upcoming childbirth, preparation for and signs of childbirth, perimenopause and menopause + paediatric department, the most common diseases of newborns and infants + surgery department, operating room, surgical instruments, preparation for the procedure + services provided by nurses at patient's home, vocabulary and expressions related to patient care at home + health care, preventing the transmission of infectious diseases in cities, epidemics + health care fairs + nursing abroad, job offers, qualifications, job interview + workload, overtime work and overworked nurses + communicating with the doctor, patient and patient's family, misunderstandings, cultural differences + acute and chronic diseases, use of medical help, early and late intervention of a doctor, prevention disease progression + diabetes, causes and types of diabetes and selected methods of its treatment, diabetes prevention, complications, diabetic diet + oncology department, tumour, cancer treatment in recent years + chemotherapy and radiotherapy, course of treatment and side effects + heart disease, risk of heart disease, prevention and treatment of heart disease + ESI Triage medical segregation system, qualification to the appropriate group, vocabulary related to the functioning of the ESI system, trauma + medical documentation and providing information about the patient to the next shift, irregularities in the documentation + intravenous administration of drugs and fluids, equipment, reasons + preparation of the patient for surgery + preoperative procedures and recommendations, risk, consent to surgery + hospital infections, hospital infection prevention procedures, visiting patients + geriatrics, diseases of the elderly, functioning of a nursing home, nursing home services + psychiatric nursing, mental diseases, tasks of a nurse working in a psychiatric department + hospice, terminally ill patients, updating the patient's condition. Written utterance: + entry in the hospital organizational log + note regarding patient's condition + nurse report + forms + memo + brochure presenting the dangers and benefits of a given issue + CV + e-mails. 	Graded credit - language course	6	Test / Performing individual and group tasks / Oral utterance, participation in discussion / Written statement / Entry in the hospital organizational log, note regarding patient's condition, nurse report, forms
Module C Education regarding the basics of nursing care						
Module C	Nursing	C.W.1, C.W.2, C.W.3, C.W.4, C.W.5, C.W.6, C.W.7, C.W.8, C.W.9, C.W.10, C.W.11, C.U.1, C.U.2, C.U.3, C.U.4, C.U.5, C.U.6, C.U.7, C.U.8, C.U.9, C.U.10, C.U.11, C.U.12, C.U.13, C.U.14, C.U.15, C.U.16, C.U.17, C.U.18, C.U.19, C.U.20, C.U.21, C.U.22, C.U.23, C.U.24, C.U.25, C.U.26, K.51, K.52, K.53, K.54, K.55, K.56, K.57	<p>Form of tutoring: Lectures 1. Nursing - historical and contemporary circumstances. 2. Nursing in the world and in Poland. Characteristic differences. 3. System of nursing concepts. 4. Premodern and modern nursing. Profession or vocation? 5. Basic health needs of an individual, classification and principles of their satisfaction. 6. The essence of nursing care based on selected theoretical assumptions. 7. Nursing patterns - the essence, stages, rules. Traditional and individualized nursing. Primary nursing. 8. Nursing process. Stages of the nursing process. 9. Classifications of nursing diagnoses. 10. The role of a nurse in the process of health promotion, prevention, diagnosis, treatment and rehabilitation. Work in an interdisciplinary team. 11. Independent actions of a nurse in the light of legal acts. 12. Tasks of a nurse in caring for a healthy patient, patient at risk of a disease, and a sick patient with an unfavourable prognosis. 13. Assessment of patient's condition, recognition of nursing problems in patients with disorders in the functioning of organs and systems, in case of a deficit of self-care, disturbed comfort, disturbed psychomotor sphere. 14. The scope of nursing care and nursing interventions in selected nursing diagnoses. 15. Documenting nursing services based on legal requirements and quality standards. 16. Occupational safety and hygiene at a position of a nurse as the basis for preventing infections. Form of tutoring: workshop classes 1. Hand hygiene in accordance with the WHO guidelines. 2. Safe use of disinfectants. 3. Performing hygienic procedures. 4. Application of bedsores prophylaxis with the use of amenities. 5. Application of thromboprophylaxis - early mobilization, compression therapy. 6. Performing breathing gymnastics. 7. Implementation of postural drainage. 8. Moving and transporting a patient. 10. Bandaging - knowledge and application of techniques. 11. Monitoring basic vital signs. 12. Performing anthropometric measurements. 13. Performing diagnostic tests for the determination of ketone bodies and glucose in blood and urine as well as blood cholesterol. 14. Preparation of rectal enema, drip rectal enema and insertion of a dry tube. 15. Performing anti-inflammatory treatments - compresses, ice pack, hot water bottle, cupping therapy. 16. Applying specialist dressings. 17. Performing urinary catheterisation. 18. Storage and preparation of drugs in accordance with applicable standards. 19. Inhalation. 20. Rinsing the eye, ear. 21. Applying ointment. 22. Oxygen administration. 23. 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Syllabus part 2

Area: Nursing		Study modules including the expected learning outcomes				
Module C	Primary Health Care	C.W19, C.W20, C.W21, C.U33, C.U34, K.S1, K.S2, K.S3, K.S4, K.S5, K.S6, K.S7	<p>Form of tutoring: Lecture 1. Primary health care in Poland and in the world. 2. Legal regulations concerning primary health care. 3. The specificity of work in primary health care, taking the healthcare provider into account. 4. Nursing services as part of primary health care - health promotion, prophylaxis, treatment and rehabilitation. The scope of nurse's tasks. Individual and group nursing practice. 5. Primary health care under the National Health Programme. 6. Quality indicators in primary health care - provision and analyses. 7. Documentation of primary health care - preparing, maintaining and archiving. 8. Patient rights in primary health care.</p> <p>Form of tutoring: Practical classes 1. Getting to know the specificity of primary health care. 2. Getting to know the tasks performed in the children's clinic. Measurements made in children. 3. Getting to know the tasks of nurses in primary health care. 4. The use of communication techniques with a patient, their family and members of the team taking care of a healthy person and a patient. 5. Nursing in the educational environment - health behaviour among children and adolescents, diagnosing the students' health status. 6. Identification of socio-economic and environmental factors affecting the health of an individual. 7. Keeping nursing records in accordance with legal requirements and current medical knowledge. 8. Identifying the patient's health problems, nursing problems and establishing a nursing diagnosis in primary health care. 9. Monitoring and interpreting basic vital signs. 10. Learning and applying health assessment scales used for planning nursing care in primary health care. 11. Getting to know institutional care as a form of providing health care. 12. Educating a healthy person and a patient regarding the existing threats to health. Practical classes in simulated conditions: 1. Assessment of the nutritional status with the use of anthropometric methods, biochemical methods, and anamnesis. Application of nursing standards and procedures in PHC. 2. Equipment and means for the implementation of nursing care in the patient's living environment - the use of ICT solutions. Form of tutoring: Practical training 1. Getting to know the specificity of primary health care. 2. Getting to know the tasks of the members of the interdisciplinary team caring for a healthy person and a patient within the framework of primary health care. 3. Determining the scope of tasks and responsibilities in an interdisciplinary team within the framework of primary health care. 4. Keeping nursing documentation. 5. Planning care and nursing activities in relation to an individual and/or family. 6. Development of a health education plan for an individual in a selected environment. 7. Educating patients in the field of natural and artificial feeding of children, physical activity, immunization, dental prophylaxis and modification of health behaviour. 8. Nursing care in the home environment. 9. Preparation of the home environment for patient care after their return from hospital. 10. Nursing care for the disabled. 11. Family nursing in the care for a senior at home. 12. Development of a health education plan with a family and its implementation. 13. Analysis of family life styles. 14. Assessment of the actions taken.</p>	Graded credit - Lecture / Graded credit - Practical classes / Credit - Practical training	11	Test / Performing individual and group tasks / Analysis of information on a given topic / Teacher assessment / Practical training evaluation card / Learning outcome verification card, Questionnaires, Logs
Module C	Dietetics	C.W22, C.W23, C.W24, C.W25, C.U33, C.U36, C.U37, K.S1, K.S4, K.S5, K.S7	<p>Form of tutoring: Lecture 1. Introduction to nutritional issues. 2. Assessment of the nutritional status and appropriate nutrition at various stages of life. 3. Nutritional value of food products - characteristics of individual groups of products. 4. Food pyramids. 5. The role of carbohydrates, fats, proteins, vitamins and minerals in the metabolic processes of the human body. 6. Problems of malnutrition and its consequences. 7. Principles of nutrition in disease. 8. Classification of diets. 9. Human nutrition in diseases of the digestive tract, circulatory system, urinary system, and haemostatic system. 10. Principles of providing enteral and parenteral nutrition. 11. Food hygiene. 12. The influence of technological processes on the nutritional value of foods. 13. Tasks of a nurse in nutritional management. Form of tutoring: Classes 1. Energy balance and calculation of the demand for nutrients. 2. Assessment of nutritional status - nutrition scales, questionnaires. 3. Therapeutic diets. 4. Foods for particular nutritional uses, prescribing and use.</p>	Graded credit - Lecture / Graded credit - Classes	1.5	Test / Analysis of information on a given topic / Individual or group tasks / Teacher assessment
Module C	Organisation of nurse's work	C.W26, C.W27, C.W28, C.W29, C.W30, C.W31, C.U38, C.U39, C.U40, C.U41, C.U42, K.S4, K.S5, K.S7	<p>Form of tutoring: Lecture and Lecture e-learning 1. The concept of a workplace, scope of duties, authority and responsibility. 2. Legal regulations concerning working time, shift work, work schedule and workload in nursing positions. 3. Basic methods of nursing care organization and their importance for the quality of care. 4. Stages of planning of nurse's own work and the work of subordinate personnel. 5. Career planning options and conditions of one's own professional development. 6. The issue of quality in health care. 7. Legal regulations concerning working time, shift work, work schedule and workload in nursing positions.</p> <p>Form of tutoring: Classes 1. Making decisions regarding the selection of working methods and team work. 2. Monitoring the risks involved in a nurse's work and the factors contributing to the occurrence of occupational diseases and accidents at work. 3. Development of standards and procedures of nursing practice and principles of monitoring the quality of nursing care. 4. Supervision and evaluation of the work of subordinate staff. 5. Planning your own professional development and developing the skills of active job search.</p>	Graded credit - Lecture, Lecture e-learning / Graded credit - Classes	2	Test / Analysis of information on a given topic - written utterance / Discussion / Teacher assessment
Module C	Physical examination	C.W32, C.W33, C.W34, C.W35, C.W49, C.U43, C.U44, C.U45, C.U46, C.U47, C.U58, K.S1, K.S2, K.S3, K.S4, K.S5, K.S6, K.S7	<p>Form of tutoring: Lecture 1. Introduction to physical examination. 2. Preparing oneself and the environment for the physical examination. 3. Physical environment, psychological aspects of the examination. 4. Taking detailed history of individual human body systems: sensory organs, musculoskeletal system, skin, abdominal cavity, respiratory system, cardiovascular system, ear, nose and throat, and nervous system. 5. Review of individual body systems. 6. OLCARD and other data collection systems. 7. Differences in physical examination of children and the elderly. 8. Selected diagnostic tests. 9. Methods of conducting a physical examination with the use of ICT systems or communication systems. Form of tutoring: Workshop classes 1. Conditions, environment and equipment for conducting a physical examination and taking medical history (anamnesis). 2. Criteria for taking medical history. 3. Documenting a physical examination. 4. The results of the physical examination and their specificity depending on the age of the examined person. 5. Physical examination of the skin and its appendages (hair, nails, mammary glands). 6. Musculoskeletal system examination procedure. 7. Head and neck examination (equipment for nurses, lymph nodes, thyroid). 8. Neurological examination (central and peripheral nervous system). Mental state examination. 9. Comprehensive examination of the chest. Examination of the cardiovascular system. Examination of the respiratory system. 10. Comprehensive examination of the abdominal cavity. Examination of urogenital organs in men and women. 11. The specificity of physical examination in paediatrics and geriatrics. 12. Conducting a physical examination with the use of ICT systems or communication systems.</p>	Exam - Lecture / Graded credit - Workshop classes	2.5	Test / Individual and group tasks / Simulation and staging / Teacher assessment
Module C	Hospital infection	C.W36, C.W37, C.W38, C.U48, C.U49, K.S2, K.S4, K.S5	<p>Form of tutoring: Lecture 1. The concept of infections associated with the provision of health services, including nosocomial infections, the sources and reservoirs of microorganisms in the community and hospital environment, including the ways of their transmission. 2. Measures of controlling the transmission, preventing and combating nosocomial infections. 3. Mechanism and management of blood infection, systemic infection, nosocomial pneumonia, urinary tract infection and surgical site infection. Form of tutoring: Classes 1. Standards of prevention of nosocomial infections. 2. Means of protecting oneself, patients and co-workers against</p>	Graded credit - Lecture / Graded credit - Classes	2	Test / Analysis of information on a given topic - standard preparation / Discussion / Teacher assessment
Module C	Information system in healthcare	C.W39, C.W40, C.U50, C.U51, K.S5	<p>Form of tutoring: Lecture 1. General regulations and basic concepts defining the organization and principles of applying information system in healthcare. Catalogue of statutory terms. 2. Selected issues regarding integration and interoperability of medical information systems. 3. MIS-Medical Information System. 4. ICT systems supporting the information system. Dedicated teleinformation systems. RUM-NFZ. Integrated hospital management systems based on the selected model. 5. Databases created by healthcare facilities. Principles of transferring data to the information system and data sharing. Medical registers. Purpose and tasks of the registers. Data ranges. Entities keeping the register. Data ranges. 7. ICT solutions in nurses' work. Healthcare safety in the context of nurses' tasks - the use of information technology in process monitoring. 8. Electronic medical records. Computer science in nursing. E-Health. Nursing documentation. IT solutions. 9. Supervision and control of the information system and databases.</p> <p>Form of tutoring: Classes 1. Interpretation and application of the functional assumptions of the information system with the use of advanced methods and information technology in the provision and contracting of health services. 2. Practical medical documentation. 3. Principles of security and confidentiality of medical information and the right to the protection of intellectual property.</p>	Graded credit - Lecture / Graded credit - Classes	1.5	Test / Analysis of information on a given topic / Discussion / Teacher assessment
Module C Facultative classes						
Module C	*Sign language	C.W41, C.W42, C.U52, K.S3, K.S7	<p>Form of tutoring: Lecture 1. Dynamic and static dactylographic signs. 2. Numerical signs. 3. Ideographic signs.</p> <p>Form of tutoring: Classes 1. The use of sign language to take medical history and inform patient about the diagnostic and therapeutic process. 2. Basic nursing procedures presented in sign language. 3. Establishing contact and calling for help. 4. Use of illustrated dictionaries in learning sign language.</p>	Graded credit - Lecture / Graded credit - Classes	1.5	Test / Performing individual tasks / Teacher assessment
Module C	*Cooperation within health care teams	C.W43, C.W44, C.W45, C.W46, C.W47, C.U48, C.U53, C.U54, C.U55, C.U56, C.U57, K.S4, K.S5, K.S7	<p>Form of tutoring: Lecture 1. Teamwork priorities and factors affecting the team's efficiency. 2. The importance of team members' motivation for the quality and efficiency of work. 3. The role of leadership and management styles in teamwork and their advantages and disadvantages. 4. Decision making process in a team. 5. Methods of the team's self-evaluation. 6. Factors disrupting teamwork and methods of solving conflicts in a team.</p> <p>Form of tutoring: Classes 1. Analysis of the benefits of teamwork. 2. Application of selected models of organizing one's own work and the work of a team. 3. Ways to solve team members' problems. 4. Planning the teamwork and motivating team members to work. 5. Identification of factors disrupting teamwork and ways to increase teamwork efficiency.</p>	Graded credit - Lecture / Graded credit - Classes	1.5	Test / Analysis of information on a given topic - SWOT analysis, work plan, schedule planning / Discussion / Teacher assessment
Module D Education regarding specialist care						
Module D	Internal diseases and internal medicine nursing	D.W2, D.W3, D.W4, D.W5, D.W6, D.W7, D.W8, D.W10, D.U1, D.U2, D.U3, D.U8, D.U9, D.U10, D.U11, D.U12, D.U13, D.U14, D.U15, D.U18, D.U22, D.U23, D.U26, K.S1, K.S2, K.S3, K.S4, K.S5, K.S6, K.S7	<p>Form of tutoring: Lecture Internal diseases - Cardiovascular diseases: symptoms, treatment, assessment of life-threatening symptoms. Coronary artery disease. Sudden cardiac arrest. Heart arrhythmia. Acute hypotension and hypertension. Chronic circulatory failure. Pulmonary oedema and cardiogenic shock. Respiratory diseases: symptoms, treatment, assessment of life-threatening symptoms. Pneumonia, pulmonary tuberculosis, lung cancer. Chronic obstructive pulmonary disease, bronchial asthma. Respiratory failure, pulmonary embolism. Diseases of the digestive system, symptoms, treatment. Stomach and duodenal ulcers. Gastrointestinal bleeding. Enteritis. Liver diseases. Pancreatic diseases. Gastrointestinal cancers. Diseases of the urinary system, symptoms, treatment. Urinary tract infections. Acute and chronic renal failure. Diabetes mellitus - symptoms, principles of treatment. The role of a nurse in the education of a patient and their family. Diseases of the thyroid gland - diagnosis, treatment. Thyroid crisis management principles. Rheumatic disease, symptoms, treatment. Systemic connective tissue diseases (collagenoses). Soft tissue rheumatism. Osteoporosis, prevention, symptoms, treatment. Diseases of red blood cells - anaemia. Diseases of the white blood cells. Internal medicine nursing - Biopsychosocial causes, symptoms and sequelae of somatic diseases. Therapeutic team, nursing care during hospitalization. Problems encountered by patients suffering from internal diseases in relation to the nature and course of the disease process. Nurse's tasks in the care of patients with ischaemic heart disease.</p> <p>Nurse's participation in preparing a patient with arterial hypertension for self-care. Nursing of patients with acute inflammatory respiratory disease. Nurse's tasks in the care of patients with bronchial asthma. Nurse's tasks in the care of patients with gastric and duodenal ulcer disease. Nurse's participation in nutritional management, pharmacological therapy and portal decompression in patients with liver cirrhosis. Principles of diagnostics, treatment and care of a diabetic patient. Nurse's tasks in the care of patients with osteoarthritis diseases. Taking care of patients with inflammatory diseases of the kidneys and urinary tract. Nursing issues in leukaemia. Standards in the prevention and treatment of pressure ulcers. Form of tutoring: Practical classes 1. Assessment of the health status in a patient with cardiovascular diseases, the implementation of patient care and subsequent stages of the nursing process. 2. Assessment of the health status in patients with hyperthyroidism, hypothyroidism, and hyperadrenocorticism based on a physical examination and patient history. 3. Nurse's participation in performing specialist diagnostic examinations in endocrine diseases. 4. Nursing problems, planning, implementation and evaluation of the effectiveness of care for a patient with endocrine disorders. 5. Assessment of the urinary system function on the basis of a physical examination and patient history, analysis of test results and medical documentation. 6. Nursing diagnosis in patients with inflammatory disease of the kidneys and urinary tract. 7. Nurse's tasks in preparing a patient for specialist examinations in urinary tract diseases and in caring for the patient during and after the examinations. 8. Nursing of a patient with renal failure according to the patient's needs, clinical picture and the stage of the disease. Nurse's participation in instructing patients with urinary tract diseases on healthy behaviour. 9. Nursing patients with neoplastic diseases of the urinary system and kidneys. Nurse's tasks in pharmacological and nutritional management of a patient with kidney disease. 10. Nursing patients with disturbed water and electrolyte balance. 11. Nutritional and nursing tips for a patient and their family in prevention of asthmatic diseases. 12. Assessment of the degree of independence of a patient with RA and AS. 13. Nursing of patients with rheumatoid arthritis and ankylosing spondylitis. 14. Standards for the prevention and treatment of pressure ulcers. 15. Assessment of the health status in patients with anaemia, haemorrhagic diathesis and leukaemia based on a physical examination and patient history. Practical classes in simulated conditions: 1. Nursing interview and physical examination in a patient with cardiovascular diseases. 2. Implementation and interpretation of ECG. Standards of patient management in coronary heart disease. 3. Assessment of respiratory efficiency in a patient with chronic respiratory disease. 4. Methods of monitoring the patient's vital signs, cardiac monitor operation, interpretation of vital sign records.</p> <p>5. Participation of a nurse in the work of an interdisciplinary team providing comprehensive patient care. Form of tutoring: Practical training 1. Practising and improving skills in planning, implementing and evaluating the process of nursing patients with various internal diseases. 2. Participation in the process of diagnosis, therapy, rehabilitation and patient education. 3. Providing health education, dietary and nursing tips for a patient and their family. 4. Preparation of a patient and their family for providing non-professional care at home. 5. Preparing a patient for self-care.</p>	Credit with grade - Lecture 2nd sem / Exam - Lecture 3rd sem / Graded credit - Practical classes / Credit - Practical training	12.5	Test / Performing individual and group tasks / Teacher assessment / Practical training evaluation card, Learning outcome verification card, Questionnaires, Logs
Module D	Paediatrics and paediatric nursing	D.W1, D.W2, D.W3, D.W5, D.W6, D.W7, D.W8, D.W10, D.W13, D.U1, D.U2, D.U3, D.U5, D.U12, D.U13, D.U15, D.U18, D.U22, D.U23, D.U26, K.S1, K.S2, K.S3, K.S4, K.S5, K.S6, K.S7	<p>Form of tutoring: Lectures Clinical part: 1. Aetiology, pathogenesis, main symptoms, diagnostics and principles of treating children with selected cardiovascular diseases: congenital heart defects, cardiovascular failure, central and peripheral cyanosis. 2. Characteristics of selected respiratory diseases: inflammation of the upper respiratory tract, pneumonia, bronchitis, cystic fibrosis, respiratory failure. 3. The most common diseases of the gastrointestinal system. Acute and chronic diarrhoea, water and electrolyte balance disturbances, malabsorption syndromes. 4. Selected diseases of the urinary system: urinary tract infections, vesicoureteral reflux, nephrotic syndrome, acute renal failure. 5. Diseases of the nervous system: cerebral palsy, hydrocephalus, childhood epilepsy, meningitis. 6. Diseases of the haemostatic system. Nursing children with anaemia, haemorrhagic diathesis and leukaemia. 7. Paediatric diabetes mellitus: principles of treatment, nursing and education of patients and their families. 8. Allergic diseases of childhood. 9. Infectious diseases - whooping cough, mumps, measles, tetanus. 10. Malignant neoplasms. Nursing part: 1. Nursing children with cardiovascular diseases. 2. Nurse's tasks in the care of children with respiratory diseases. 3. Nursing issues in gastrointestinal system diseases. 4. Planning of nursing care in diseases of the urinary system. 5. Nursing of children with nervous system disorders. 6. Nurse's task in the care of children with diseases of the haemostatic system. Nursing children with anaemia, haemorrhagic diathesis and leukaemia. 7. Nursing issues in paediatric diabetes. 8. Planning of nursing care in paediatric allergies. 9. Nursing a child with an infectious disease. 10. Nursing issues in neoplastic diseases. 11. Preparing a child for diagnostic tests. 12. Assisting a physician during diagnostic tests. 13. Issuing referrals for specific diagnostic tests. 14. Preparation of prescriptions for medicinal substances as part of continuation treatment. 15. Calculating drug doses. Practical classes in simulated conditions: 1. Measuring basic vital signs in a child. 2. Physical examination. Interpretation of physiological reflexes characteristic for the neonatal period and infancy. 3. Baby care. 4. Enteral and parenteral drug administration in children. 5. Enteral and parenteral nutrition in children. Form of tutoring: Practical classes 1. Getting to know the specificity of a nurse's work in a paediatric department. 2. Planning, implementation and evaluation of the process of nursing a child with paediatric diseases. 3. Participation in diagnosis, treatment, rehabilitation and education of a child and their family. 4. Communicating with a child and their guardians. 5. Getting familiar with and keeping medical records. Form of tutoring: Practical training 1. Practising and improving skills in planning, implementing and evaluating the process of nursing patients with various diseases. 2. Participation in the process of diagnosis, therapy, rehabilitation and patient education.</p>	Credit with grade - Lecture 3rd sem / Exam - Lecture 4th sem / Graded credit - Practical classes / Credit - Practical training	14.5	Test / Performing individual and group tasks / Analysis of information on a given topic / Teacher assessment / Practical training evaluation card / Learning outcome verification card, Questionnaires, Logs

Syllabus part 2

Area: Nursing

Study modules including the expected learning outcomes

Study modules including the expected learning outcomes						
Module D	Palliative care	D.W1, D.W3, D.W7, D.W10, D.U1, D.U2, D.U15, D.U17, D.U20, D.U22, D.U24, D.U25, D.U26, K.S1, K.S2, K.S3, K.S4, K.S5, K.S6, K.S7	<p>Form of tutoring: Lecture 1. Basic concepts, history and organization of palliative care in Poland and the world. 2. The basics of thanatology. 3. Standards in palliative care. 4. The most common ailments/symptoms as well as the methods of treating and nursing adults and children. 5. Principles and ethical dilemmas regarding the end of human life in palliative care. 6. Issues related to the quality of life in the terminal period. 7. Pathophysiology and pain management</p> <p>8. Elements of psycho-oncology. The basics of communication, interdisciplinary relations within the therapeutic team, as well as communication with the patient's family and/or caregiver, bereavement. 9. Fatigue syndrome. Cachexia-anorexia-asthenia syndrome. Form of tutoring: Practical classes 1. Nursing issues in palliative care - therapeutic strategies. 2. Standards for palliative care provided in outpatient and inpatient settings. 3. Assessment and treatment of cancer pain by a therapeutic team. Nurse's participation in combating total pain. 4. Nurse's participation in combating and alleviating symptoms from particular systems of the body. 5. Problems in communication with a cancer patient in advanced stage of the disease. Therapeutic system 6. Therapeutic communication. Psychological aspects related to dying and death. Practical classes in simulated conditions 1. Managing a patient in agony and after death. 2. Contact with the family of a deceased person Form of tutoring: Practical training 1. Nursing a dying person. Dignified death. Care of the body after death. Agony. 2. Nursing issues in palliative care - therapeutic strategies applied in hospice care. 3. Standards for palliative care provided in a hospice and at home. 4. Nurse's participation in combating and alleviating symptoms from particular systems of the body. 5. Problems in communication with a cancer patient in advanced stage of the disease. Therapeutic system. 6. Keeping company in the period of mourning. 7. Home hospice tasks. Palliative departments. Pain management clinics.</p>	Exam - Lecture / Graded credit - Practical classes / Credit - Practical training	5,5	Test / Performing individual and group tasks / Analysis of information on a given topic / Teacher assessment / Practical training evaluation card / Learning outcome verification card, Questionnaires, Logs
Module D	The basics of rehabilitation	D.W26, D.W27, K.S1	<p>Form of tutoring: Lecture 1. Objectives and tasks of comprehensive rehabilitation. 2. Objectives and principles of rehabilitation in people with disorders of the musculoskeletal system, sense organs, chronic diseases; rehabilitation after surgery. 3. Social consequences of disability and psychosocial problems in disabled people. 4. Therapeutic, social and vocational rehabilitation. 5. Types and availability of therapeutic rehabilitation centres. 6. Methods and techniques applied in patient rehabilitation.</p>	Graded credit - Lecture	1	Test / Teacher assessment
Module D	Emergency medical services	D.W35, D.W36, D.W37, D.W41, D.U4, D.U17, D.U28, D.U29, D.U30, D.U35, D.U36, D.U37, K.S1, K.S2, K.S3, K.S4, K.S7	<p>Form of tutoring: Lecture 1. Organization and functioning of the National Emergency Medical Service System. 2. Legal aspects of the emergency medical services. 3. Emergency care in external and internal life-threatening conditions. 4. Principles of organization of medical assistance in mass casualty incidents and disasters. 5. Organization of emergency rescue in the event of biological and chemical hazard. 6. The role and tasks of a nurse in a medical rescue team. 7. First aid principles and life support algorithms in Basic Life Support (BLS) and Advanced Life Support (ALS). Form of tutoring: Workshop classes 1. Assessment of the victim's condition and the incident location. 2. Segregation of victims depending on the severity of injuries (Triage). 3. Activities performed on site: assessment of the victims' general condition, consciousness, injuries, and the principles of transportation. 4. Basic and advanced procedures in CPR performed in adults and children and the use of an automatic external defibrillator. 5. Rescue management in abdominal, thoracic, cerebrovascular injuries, haemorrhage, bleeding, burns, fractures, sprains and strains.</p>	Exam - Lecture / Graded credit - Workshop classes	2,5	Test / Performing individual and group tasks / Participation in simulation
Module D	Scientific research in nursing	D.W38, D.W39, D.W40, D.U33, D.U34, K.S7	<p>Form of tutoring: Lecture and classes 1. Field, subject, goals, types of research and their role in nursing. 2. Aims and methods of scientific cognition. 3. Stages of the research process. The subject, aim and field of research. 4. Selection of literature and sources of information in the literature. 5. Empirical research. 6. Qualitative research. 7. Methods, techniques and research tools. 8. Principles of designing research tools. 9. The method of conducting research. 10. Statistical analysis of the research material. 11. Presentation of research results using tables, charts, diagrams. 12. Interpretation of empirical data. 13. Verification of hypotheses and formulation of conclusions. 14. Discussion.</p>	Exam - Lecture / Graded credit - Classes	2,5	Test / Preparation of scientific research plan / Discussion / Teacher assessment
Module D	Diploma seminar	D.U31, D.U32, K.S5	<p>Form of tutoring: Classes 1. Determining the main research problem and choosing the proper research method. 2. Selection of literature. 3. Preparation of the study overview. 4. Preparation of a case study. 5. Drawing critical conclusions from the conducted research.</p>	Graded credit - Classes	1	Written work / Project / Discussion / Teacher's evaluation / Teacher assessment
Module D	Diploma dissertation	D.W38, D.W39, D.W40, D.U33, D.U34	<p>Form of tutoring: Classes 1. Methodological assumptions for writing the dissertation. 2. Review of the literature related to the topic of the dissertation.</p>	Graded credit - Classes, Consultations, 5th and 6th sem.	3	Written work
	Preparation to diploma examination	D.U31	<p>Form of tutoring: Classes 1. Analysis of the examination issues available to students in terms of: a) theoretical assumptions, b) scientific research results 2. Public speech. 3. Principles of managing stress.</p>	Graded credit - Classes	2	Oral exam