

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> Optional field specific study (e.g. e-learning, dual)	full-time
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					
Study modules	Courses (* means that a course is optional/facultative)	Expected learning outcomes	Curriculum content ensuring the achievement of learning outcomes	Evaluation method	Number of ECTS credits	Methods of verification of the intended learning outcomes of the student	
Module A Basic courses							
Module A	Anatomy	A.W.1, A.U.1, K.S5, K.S7	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. Structure of the spinal nerve. Brachial plexus and lumbosacral plexus. Peripheral nerves of the limbs and nerve palsy. 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 ear, eye and balance organs. General characteristics of the cranial nerve. 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. Characteristics of 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 injuries. 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 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 olfactory systems).	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.W2, A.W3, A.W4, A.W5, A.U12, A.U13, K.S5, K.S7	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. Unconditional and conditional 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: 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. Morphologic and non-morphologic 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 reflexes triggered from skin and muscle membranes. * Demonstration of touch, 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). * Impact of haemolytic factors on red blood cells. Blood typing using the ABO blood group system. * Determination of bleeding and clotting times. Blood smear - identification of morphological elements. Cardiovascular physiology. Bioelectric action potentials of the human cardiac muscle. * The stimulus-contraction system. The influence of adrenaline and acetylcholine on the function of the cardiac muscle. * Spirometry - determination of VC, FEV1, PEF, MEF25, MEFSO, MEF75, FE25 / 75 and FEV1/VC. Chest circumference change rate (pulse oximetry). * Assessment of physical and chemical properties of urine. Microscopic evaluation of urine sediment.	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.W6, A.W7, A.W8, A.U14, A.U14, K.S1, K.S5, K.S7	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 (epidemiology, 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 conductors of pain, headache, back pain and 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. Comparison of a healthy organ and a diseased organ. * Pathophysiology of lesions in the most common chronic diseases of the digestive system in adults 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. * Pathophysiology 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.	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.W9, A.W10, A.W11, A.U12, A.U3, A.U4, K.S2	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 reading genetic information. The mosaic structure of the gene (exons, introns, transposons). 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 genes. Alternative inheritance. Mechanism of single and two-gene crosses. Multiple alleles - blood groups. Interference 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.	Graded credit - Lecture	1	Test / Analysis of information on a given topic - worksheet / Discussion	
Module A	Biochemistry and biophysics	A.W13, A.U14, A.W15, A.W16, A.U5, K.S5, K.S7	Form of tutoring: Lecture and e-Lecture 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. Radioisotopes 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. 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.	Graded credit - Lecture, Lecture-e-learning	1,5	Test / Teacher assessment	
Module A	Microbiology and parasitology	A.W17, A.U18, A.U6, K.S5, K.S7	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 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 macroorganisms; 5. Parasitology - the emergence and function of the parasite-host system, sources of infection and pathways of parasite entry, adaptation to parasitism; 6. Structure, development, division of human parasites and their location in the host's body. 7. The most important human parasites: the aetiological factors - protozoa, flukes, tapeworms, nematodes and arthropods, prevention of parasitic diseases. 8. Vector diseases - viruses, bacteria, parasite protozoa and nematodes transmitted by bloodsucking arthropods, symptoms of infection, areas of occurrence, prevention. Form of tutoring: Laboratory classes 1. The basis 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 and media, 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.	Graded credit - Lecture / Graded credit - Laboratory classes	3	Test / Performing individual tasks / Teacher assessment	
Module A	Pharmacology	A.W19, A.W20, A.W21, A.W22, A.W23, A.W24, A.W25, A.U7, A.U8, A.U9, A.U10, K.S4, K.S5	Form of tutoring: Lecture 1. The basis 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 (O2 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, antiatherosclerotics, 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, antiepileptic drugs, psychotropic drugs - anxiolytics, neuroleptics, antidepressants, psychostimulants, nootropics and pro-cognitive drugs; painkillers). 7. Gastrointestinal medications (agents that stimulate the secretion of gastric acid, agents used in peptic ulcer disease, antemetic drugs, choleric agents and laxatives, agents against constipation). 8. Respiratory and pulmonary medications (agents that stimulate bronchodilation 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 hydrolysis. 12. Use of foodstuffs that can be continued by a nurse and obstetric nurse in patients in a specific biopsychosocial 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 medicinal 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.	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.W26, A.U11, K.S5, K.S7	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), MDCT (Multidetector Computed 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 radiological 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.	Graded credit - Lecture	1	Test / Analysis of information on a given topic / Teacher assessment	
Module A Additional courses							
Module A	OHS Training	E.W3, E.W4, E.U2, K.S6	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 personal anti-inflammatory drugs (antipyretics, agents used in rheumatoid diseases). 5. Cardiovascular medications (O2 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, antiatherosclerotics, 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, antiepileptic drugs, psychotropic drugs - anxiolytics, neuroleptics, antidepressants, psychostimulants, nootropics and pro-cognitive drugs; painkillers). 7. Gastrointestinal medications (agents that stimulate the secretion of gastric acid, agents used in peptic ulcer disease, antemetic drugs, choleric agents and laxatives, agents against constipation). 8. Respiratory and pulmonary medications (agents that stimulate bronchodilation 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 hydrolysis. 12. Use of foodstuffs that can be continued by a nurse and obstetric nurse in patients in a specific biopsychosocial 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 medicinal 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.	Credit - Lecture-e-learning	0	Test on the e-learning platform	
Module A	Practical basis of remote learning	E.W5, E.W6, E.U3, E.U4, E.U5, K.S5	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 methods; Topic 3 - working with the LMS - a place where information appears, sources of knowledge, activation methods, communication methods, learning outcome verification methods.	Credit - Lecture, Lecture-e-learning	0	Test on the e-learning platform, quizzes and exercises	
Module A	Physical education	E.W1, E.W2, E.U1, K.S8	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, boccia, goals) at the WSG University Sports Club and taking part in competitions (Kujawsko-Pomorskie Academic Championships, Polish Academic Championships, Universiade, Academic European Championships).	Credit - Workshop classes 2nd and 4th semester	0	Teacher assessment, self-assessment, analysis, observation	
Module B Social sciences and humanities							
Module B	Psychology	B.W1, B.W2, B.W3, B.W4, B.W5, B.W6, B.U1, B.U2, B.U3, B.U4, B.U5, B.U6, B.U7, B.U8, K.S1, K.S2, K.S3, K.S4, K.S5, K.S6, K.S7	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 influence of somatic factors on the mental condition. 10. Psychology 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, methods of relaxation and mechanisms of the occurrence and prevention of the burnout syndrome. Form of tutoring: Classes 1. Classes consisting in identifying the preferences of one's own "intentionals" 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. Discussion techniques for dealing with criticism and difficult interlocutors. 4. Discussion 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.	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.W7, B.W8, B.W9, B.W.10, B.W11, B.W10, K.S1	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 deviations. 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 Form of tutoring: Classes 1. Activities to prevent discrimination and racism as well as deviations and pathologies among children and adolescents.	Graded credit - Lecture, Lecture-e-learning / Graded credit - Classes	2	Test / Analysis of information on a given topic / Discussion	

Syllabus part 2

Area: Nursing		Study modules including the expected learning outcomes				
Module B	Pedagogy	B.W12, B.W13, B.W14, B.U10, B.U11, K.S5, K.S7	<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. 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 deserving 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 / Preparation of a project and documentation / Teacher assessment
Module B	Medical law	B.W15, B.W16, B.W17, B.W18, B.W19, B.U12	<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.W20, B.W21, B.W22, B.W23, B.W24, B.W25, B.W26, B.U13, B.U14, B.U15, K.S7	<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 and disease. 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 health of the elderly. 12. Systemic model of health care. 13. Health insurance. 14. Contrasting 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). Form of tutoring: Classes 1. Global health care trends in the light of the latest epidemiological and demographic data. 2. Functioning of various health care systems and identifying the source of their financing. 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 / Analysis of information on a given topic - nursing diagnosis and nursing process with the use of the classifications / Discussion
Module B	English language	B.U16, B.U17	<p>Form of tutoring: Foreign language classes Topics: • 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 • 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 drug, drug allergies • nutritional habits, proper nutrition, patient's diet, vitamins and food ingredients • hygiene • infections, ailments • basic first aid, triage room • ways of sound recording and analysis, vocabulary describing the sound and perceived skin lesions, poorly healing wounds • vocabulary related to kidney examination, CKF test analysis, GFR test result • 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 patients' home, vocabulary and expressions related to patient care at home • health care, preventing the transmission of infectious diseases in cities, epidemics • health care tasks • 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, tumours, 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.</p>	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	Basic nursing	C.W1, C.W2, C.W3, C.W4, C.W5, C.W6, C.W7, C.W8, C.W9, C.W10, C.W11, C.U1, C.U2, C.U3, C.U4, C.U5, C.U6, C.U7, C.U8, C.U9, C.U10, C.U11, C.U12, C.U13, C.U14, C.U15, C.U16, C.U17, C.U18, C.U19, C.U20, C.U21, C.U22, C.U23, C.U24, C.U25, C.U26, K.S3, K.S4, K.S5, K.S6, K.S7	<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 patients - 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 a 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 amantides. 5. Application of thromboprophylaxis - early mobilisation, 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. 21. Applying ointment. 22. Ovens administration. 23. Administration of medications into the ear, ear and nose. 24. Administration of medications by the oral and intral route. 25. Administration of medications by the intradermal route. 26. Subcutaneous administration of medications. 27. Administering insulin using a pen syringe. 28. Intramuscular administration of medications. 29. Intravenous administration of medications. 30. Venous blood sampling for diagnostic tests. 31. Capillary blood sampling for glucose level. 32. Collection of microbiological material. 33. Performing vaccinations. 34. Monitoring, assessment, care of the central, peripheral and vascular ports. 35. Insertion of a diagnostic probe into the stomach, duodenum. 36. Preparation of the patient for diagnostic tests. 37. Assisting the doctor in diagnostic tests. 38. Occupational safety and hygiene at a position of a nurse as the basis for preventing infections. Form of tutoring: Practical classes 1. Getting to know the specifics of a hospital department. 2. Getting to know the tasks of the therapeutic team. 3. The use of communication techniques in contacts with a patient, their family and members of the therapeutic team. 4. Application of the selected nursing in patient care. 5. Gathering information by means of history taking, observation, assessment, physical examination, analysis of documentation in order to recognize patient's health status and to formulate nursing diagnosis. 6. Keeping nursing records in accordance with legal requirements and current medical knowledge. 7. Interpreting basic vital signs. Monitoring patient's health status. 8. Preparing the patient for diagnostic tests. 9. Learning the nursing care assessment scales. 10. Applying skills according to learning outcome verification log. 11. Educating patients and their family regarding the existing health problems. 12. Preparing the patient for self-care at home. Preparing nursing recommendations. Nurse's participation in the process of diagnosis and treatment in a hospital setting. Admitting a patient for conservative treatment. Patient-nurse communication. Practical classes in simulated conditions: Providing complete morning hygiene routine to a bedridden patient. Assessing basic vital signs. Form of tutoring: Practical training 1. Getting to know the specificity of work in a hospital department. 2. Getting to know the tasks of the members of the interdisciplinary team providing care to patients. Determining the scope of tasks and responsibilities in an interdisciplinary team. 3. Admitting a patient to the department - preparing and keeping the applicable nursing documentation, identifying nursing problems, assessing the risk of adverse events, e.g. falls, establishing a nursing diagnosis - establishing the category of care and nursing interventions, informing the patient of the care plan and obtaining their approval, informing the patient of the department rules and regulations, e.g. visiting regulations, - acquainting the patient with the patient's rights and the rules of exercising these rights. 4. Implementing the established nursing care plan. Modifying the care plan in the event of a change in the patient's condition. 5. Carrying out medical orders in accordance with the nurse's qualifications and authorizations. 6. Providing nursing care in accordance with the occupational health and safety guidelines, and the learning outcome verification log. 7. Preparing a patient for discharge. Determining and documenting the level of patient's preparation for self-care at home.</p>	Graded credit - Lecture 1st semester / Graded credit - Workshop classes 1st and 2nd semester / Exam - Lecture 2nd semester / Graded credit - Practical classes / Credit - Practical training	15	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	Professional ethics in nursing	C.W12, C.W13, C.W14, C.U15, C.U17, K.S1, K.S2, K.S3, K.S4, K.S5, K.S6, K.S7	<p>Form of tutoring, Lecture 1. Introduction to ethics. 2. Medical professions as professions of social trust, traditional rules of ethics in medical professions. 3. Historical outline of nursing ethics in Poland and in the world, professional self-government, oath and codes of ethics, moral, legal and professional responsibility in nursing. 4. Patient autonomy and rights, paternalism and partnership in medicine, ethical problems in the implementation of selected patient rights, special ethical problems in the treatment of children, elderly and disabled people. 5. Introduction to bioethics, ethical problems related to the beginning and end of human life, ethical problems in transplantology, ethical problems in biomedical research involving human subjects. 6. Selected ethical problems in the professional practice of nurses: obligation to provide help, teamwork, corruption in health care. 7. Code of Professional Ethics for Nurses and Obstetric Nurses. Form of tutoring: Classes 1. Ethical issues in neonatology. 2. Ethical issues in palliative care. 3. Ethical issues in transplantology. 4. Ethical issues associated with resuscitation. Limits of persistent therapy. 5. Ethical issues in caring for a patient with different cultural background. 6. Patient rights, human rights - legal regulations.</p>	Graded credit - lecture, lecture - classes	1,5	Test / Analysis of information on a given topic / Discussion / Teacher assessment
Module C	Health promotion	C.W16, C.W17, C.W18, C.U29, C.U30, C.U31, C.U32, K.S1, K.S2, K.S3, K.S4, K.S5, K.S6, K.S7	<p>Form of tutoring, Lecture 1. Introduction to health promotion. 2. Contexts and planes of health. 3. Lifestyle and activities affecting health. A sense of coherence. 4. Health promotion and prophylaxis. The scope of health promotion activities. 5. Health promotion strategies in the local environment. 6. Health promotion and health education in the health care system. 7. Government policy in the field of health promotion. 8. Health promotion as one of the professional roles of a nurse. 9. Assessment of health status and health indicators. 10. National Health Programme, strategic and operational goals. 11. Selected health programmes implemented under the National Health Programme. 12. The role and tasks of a nurse in primary and secondary prevention. 13. Methods of patient education based on selected clinical conditions. 14. Promoting healthy behaviour of an individual at different stages of life. Practical classes in simulated conditions: Patient interview and assessment of their health potential. Form of tutoring: Practical classes 1. Designing a health promotion programme. 2. Health promotion in practice. 3. Practising and improving skills in planning, implementing and evaluating the education of patients with selected health problems. 4. Strategies for promoting health at the local level (Health Promoting Hospital, Health Promoting School)</p>	Graded credit - Lecture / Graded credit - Practical classes	1,5	Test / Analysis of utterance on a given topic / Individual or group tasks / Project / Teacher assessment
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. 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 an interdisciplinary team providing services 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 in primary health care. 11. Getting to know the tasks of an interdisciplinary team providing care as a form of support for primary health care. 12. Educating a healthy person and a patient regarding the existing threats or health issues. 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 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.U35, 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 meals. 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. 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 for 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.U43, C.U44, C.U45, C.U46, C.U47, C.U38, 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 (present and past) of human body systems: sensory organs, musculoskeletal system, skin, audiological cavity, respiratory system, cardiovascular system, ear, nose and throat, reproductive system. 5. Review of individual body systems. 6. OLDART 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 (sensory organs, 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.W35, 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

Syllabus part 2

Area: Nursing

Study modules including the expected learning outcomes

Module D	Topic	Learning Outcomes	Graded credit - Lecture / Exam / Graded credit - Practical classes / Credit - Practical training	ECTS	Assessment
Module D	Anaesthesiology and nursing in emergency situations.	Form of tutoring, Lectures 1. Organization of nursing care in the intensive care unit. The role of communication in an interdisciplinary team providing care to a patient. 2. Types of anaesthesia. Preparing a patient for anaesthesia. Nursing after anaesthesia - causes, symptoms, diagnosis, management. 4. Guidelines for resuscitation. Basic life support in adults. Automated external defibrillation. In-hospital resuscitation. Advanced life support. Tachycardia management algorithm (with heart rate). Bradycardia management algorithm. Basic life support in children. Neonatal resuscitation. 5. Nursing process in the intensive care unit, monitoring of basic vital signs, care for vascular access (venous and arterial), nutrition, prevention of pressure ulcers, prevention of hospital infections. 6. Nursing a patient with multi-organ injuries. 7. Nursing a patient with acute respiratory failure. 8. Nursing a patient in shock. 9. Nursing a patient with acute circulatory failure. 10. Nursing an unconscious patient. 11. Nursing a patient with a neuromuscular disease. 12. Nursing a patient with gastrointestinal disease. 13. Nursing a patient with acute renal failure. 14. Nursing a patient with severe sepsis. 15. Ethical issues in intensive care. Form of tutoring, Practical classes 1. Getting to know the specificity of a nurse's work in an intensive care unit. 2. Planning, implementation and evaluation of the nursing process. 3. Participation in diagnosis, treatment, rehabilitation and education of ICU patients or their families. 4. Communicating with a patient and their family. 5. Getting familiar with and keeping medical records. Practical classes in simulated conditions 1. Nursing a patient undergoing respiratory therapy. 2. Loss of consciousness, nursing management, diagnostics, treatment and nursing. 3. Emergency procedures in SCA, nurse participation in conducting resuscitation procedures. Form of tutoring, Practical training 1. Practising and improving skills in planning, implementing and evaluating the process of nursing patients in an intensive care unit. 2. Participation in the process of diagnosis, therapy, rehabilitation and education of patients and their families.	Graded credit - Lecture 5th sem / Exam - Lecture 6th sem / Graded credit - Practical classes / Credit - Practical training	8,5	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	Long-term nursing care	Form of tutoring, Lecture 1. Principles of diagnosing and planning patient nursing in long-term care. 2. Diseases requiring long-term care. 3. Standards and procedures in long-term care. 4. Organization of long-term care in Poland. 5. Providing self-care counselling to patients of various ages and health status regarding developmental defects, diseases and addictions. 6. Classification of wounds. 7. Nursing and rehabilitation equipment and medical devices in nursing a patient with chronic diseases. 8. Technique and methods of wound care and application of dressings. 9. Selection of nursing and rehabilitation equipment and patient education on its use. 10. Nutrition through the nutritional fistula and tube, and parenteral nutrition. 11. The role of a nurse in rehabilitation of patients in long-term care. 12. Complications of pharmacological, dietary, rehabilitation, therapy and nursing care. Practical classes in simulated conditions 1. Comprehensive patient care in a long-term care unit in simulated conditions, including: - providing nursing, hygienic care and aseptic procedures (dressing of wounds, bedsores, trophic ulcers) in long-term care at home. 2. The use of tools to assess the functional status of a patient under long-term care. Form of tutoring, Practical classes 1. Getting to know the specificity of a nurse's work in long-term care. 2. Planning, implementation and evaluation of the process of nursing a patient with chronic diseases. 3. Participation in the process of diagnosis, therapy, rehabilitation and patient education. 4. Communicating with a patient and their caregivers. 5. Getting familiar with and keeping medical records. 6. Nurse's task in long-term care. 7. Nursing issues in long-term care patients. 8. Nursing a patient with intestinal fistula and endotracheal or tracheotomy tube. Form of tutoring, Practical training 1. Practising and improving skills in planning, implementing and evaluating the process of nursing long-term care patients. 2. Participation in the process of diagnosis, therapy, rehabilitation and patient education.	Graded credit - Lecture / Graded credit - Practical classes / Graded credit - Practical training	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	Neurology and neurological nursing	Form of tutoring, Lecture Neurology 1. The basics of neuroanatomy and neurophysiology 2. The basics of neurological examination. 3. Characteristics of the most common neurological syndromes. 4. Cerebrovascular diseases - etiology/pathogenesis, classification, symptoms, diagnosis, treatment 5. Diseases of the extrapyramidal system 6. Demyelinating diseases 7. Neurodegenerative diseases 8. Neoplastic diseases of the nervous system 9. Epilepsy 10. The basics of pharmacology in managing diseases of the central nervous system. Neurological nursing 1. Nursing assessment of a patient with disorders of the nervous system - specificity of the physical examination 2. Application of specific clinical tools to assess a patient with nervous system disorders. 3. Nursing a patient with cerebral vascular diseases. 4. Nursing a patient with neurodegenerative diseases 5. Nursing a patient with extrapyramidal system diseases 6. Nursing patients with demyelinating diseases 7. Nursing a patient with epilepsy 8. Diagnostics in diseases of the central and peripheral nervous system - nurse's tasks. 9. Introducing a neurological patient (and their caregivers) to self-care. 10. Prevention of diseases of the nervous system. Form of tutoring, Practical classes • Preparing a patient for diagnostic tests and nursing after test completion, elements of neuropsychological examination (speech, praxis, gnosis, writing, reading, counting, memory and emotional states). • Principles of patient care based on the assessment of their neurological condition as part of the diagnosed neurological disorders. • Defining the nursing issues in patients with diseases of the nervous system. • Communication with a patient with speech disorders, types of aphasia. • Nursing of patients in life-threatening conditions, in subacute and chronic disease. • Nursing a patient with congenital and acquired disorders of the nervous system. • Nursing a patient with acute relapse (compensatory or partly compensatory nursing system), in remission or undergoing chronic care • Social functioning (social roles) - the importance of support groups (Multiple Sclerosis Association). • Nursing a person with Parkinson's disease: health problems, nursing plan for a disabled patient. • Nursing a person with Alzheimer's disease: assessment of the physical condition, assessment of mental condition, establishing a care plan for the patient, considering the capability of the family to provide care or the institutional form of care. • Educating a patient and their family regarding lifestyle, self-observation, possibilities and ways of preventing epileptic seizures, choosing a job and professional activity. • Shaping the correct attitude of the society (family, friends, co-workers, teachers) towards patients with epilepsy. • Nursing a neurological patient in the terminal stage of the disease: definition and features of palliative care; types of neurological patients requiring palliative care, problems of a patient in the terminal stage of neurological disease. Practical classes in simulated conditions • Assessment of the functional status of a patient with a nervous system disease - physical examination • Management of a patient in the acute phase of stroke • Communication with a patient with aphasia, impaired memory. Form of tutoring, Practical training 1. Assessment of the health status in a patient with a neurological disease based on physical examination and medical history, the implementation of patient care based on the subsequent stages of the nursing process. 2. Participation in performing specialized diagnostic tests in nervous system diseases. 3. Keeping medical documentation, documenting the nursing process in paper and electronic form. 4. Providing health education, dietary and nursing tips for a patient and their family. 5. Preparation of a patient and their family for providing non-professional care at home. 6. Nursing a patient for self-care. 7. Counselling on the available forms of support for persons with disabilities.	Graded credit - Lecture 5th sem / Exam - Lecture 6th sem / Graded credit - Practical classes / Credit - Practical training	8,5	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	Geriatrics and geriatric nursing	Form of tutoring, Lectures Geriatrics: General characteristics of geriatrics. Geriatric pharmacotherapy. Major geriatric syndromes. The specificity of the clinical course and treatment of diseases of individual systems and organs in the elderly: heart failure and other cardiovascular diseases, respiratory system diseases, COPD, pulmonary embolism, diseases of the genitourinary system, prostate gland, reproductive organs in women, nervous system diseases, cerebrovascular diseases, Parkinson's disease, Alzheimer's disease. - Diseases of the musculoskeletal system, osteoporosis, degenerative joint diseases, rheumatic diseases. Metabolic disorders, diabetes in the elderly. Gastrointestinal system diseases. Gastrointestinal system - constipation, diarrhoea. Anaemia in the elderly. Sensory disorders. Geriatric nursing: Population ageing - causes, stages, consequences, psychological ageing, social aspects of ageing and old age, health situation of the elderly, tasks and role of geriatric nursing in the field of ageing and old age. Comprehensive geriatric assessment, comprehensive geriatric care. Nursing an elderly person with urinary and fecal incontinence. The specificity of nursing in selected geriatric syndromes. Form of tutoring, Practical classes 1. Getting to know the specificity and organization of work with elderly people as part of nursing care. 2. Providing nursing care to seniors with major geriatric syndromes. 3. Provision of nursing care to disabled people. 4. Participation in the activation and rehabilitation of seniors. 5. Communicating with patients with sight, hearing and speech impairment. Practical classes in simulated conditions 1. Comprehensive geriatric assessment. 2. Principles of communicating with an elderly patient, communication barriers. Form of tutoring, Practical training 1. Participation in the diagnostic, therapeutic, educational and rehabilitation process in elderly patients. 2. Planning and implementing the nursing process of the elderly with cardiovascular, respiratory, musculoskeletal, neurological, urinary and metabolic diseases. Activities in the scope of providing comprehensive geriatric care. 4. Determining the deficit of self-care and taking steps to prepare for self-care. 5. Educating a patient and their family. 6. Evaluation of the nursing process in geriatric care.	Graded credit - Lecture 5th sem / Exam - Lecture 6th sem / Graded credit - Practical classes / Credit - Practical training	8,5	Test / Performing individual and group tasks / Project / Teacher assessment / Practical training evaluation card, Learning outcome verification card, Questionnaires, Logs
Module D	Palliative care	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. 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. Carlexia-anorexia-athetia 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.	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	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.	Graded credit - Lecture	1	Test / Teacher assessment
Module D	Emergency medical services	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.	Exam - Lecture / Graded credit - Workshop classes	2,5	Test / Performing individual and group tasks / Participation in simulation
Module D	Scientific research in nursing	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 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.	Exam - Lecture / Graded credit - Classes	2,5	Test / Preparation of scientific research plan / Discussion / Teacher assessment
Module D	Diploma seminar	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.	Graded credit - Classes	1	Written work / Project / Discussion / Teacher's evaluation / Teacher assessment
Module D	Diploma dissertation	Form of tutoring, Classes 1. Methodological assumptions for writing the dissertation. 2. Review of the literature related to the topic of the dissertation.	Graded credit - Classes, Consultations, 5th and 6th sem.	3	Written work
Module D	Preparation to diploma examination	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.	Graded credit - Classes	2	Oral exam