

Study programme**Part A) of the study programme****Learning outcomes**

Faculty offering the field of study:		Faculty of Health Sciences
Field of study:		nursing
Level of qualification:		first-cycle studies
Level in the Polish Qualifications Framework:		level 6
Degree profile:		practical
Degree awarded:		licencjat pielęgniarstwa
Association of the field of study with scientific or artistic discipline(s) to which the learning outcomes refer:		Discipline: health sciences (100%) Main Discipline: health sciences
GENERAL LEARNING OUTCOMES		
Symbol	Upon completion of studies, the graduate achieves the following learning outcomes:	
KNOWLEDGE		
The graduate knows and understands:		
1	development, structure and function of the human body in normal and pathological conditions;	
2	determinants and mechanisms of human functioning in health and disease;	
3	the aetiology, pathomechanism, clinical manifestations, course and modes of diagnostic and therapeutic management of selected disease entities;	
4	the health care system in the Republic of Poland and selected European Union Member States;	
5	principles of health promotion and disease prevention, including cancer prevention;	
6	tasks, functions and determinants of the development of the nursing profession;	
7	models of nursing care for the healthy, sick, disabled and dying person;	
8	ethical, social and legal conditions of the nursing profession.	
SKILLS		
The graduate is able to:		
1	provide health promotion and disease prevention services, including cancer prevention;	
2	identify health problems and define priorities in nursing care;	
3	independently organize, plan and provide comprehensive and individualized nursing care for a sick, disabled and dying person, using the indications of current medical knowledge;	
4	independently provide preventive, diagnostic, therapeutic and rehabilitation services (to the extent specified in the regulations);	
5	decide on the type and scope of care and nursing services;	
6	cooperate with the patient's family or caregiver in achieving the established goals of nursing care and educational activities;	
7	carry out a comprehensive interview and physical examination in order to make a nursing diagnosis and to plan, implement and evaluate nursing interventions;	
8	carry out the qualification examination for vaccination and carry out preventive vaccinations as defined by law, carry out the procedures in force in the event of an adverse post-vaccination reaction and carry out reporting on preventive vaccinations;	
9	perform an electrocardiogram (ECG) in patients of different ages at rest, interpret the components of a normal recording of the bioelectrical function of the heart and recognise the electrocardiographic features of health and life-threatening conditions;	

10	perform a spirometric test and make a preliminary assessment of the result of this test in patients of different ages and health status;
11	administer first aid and perform cardiopulmonary resuscitation;
12	remove sutures and care for the wound, including applying and changing dressings;
13	prepare and administer medicines by various routes in accordance with the nurse's professional competence or written medical order for specific clinical conditions and medicinal products from life-saving anti-shock kits;
14	issue prescriptions for medicines, foods for particular nutritional uses and medical devices necessary for the continuation of treatment within the scope of medical orders;
15	communicate with the patient, their family or carer and with other health professionals, using a variety of communication methods and techniques and negotiate to resolve problems and conflicts within the team;
16	analyse the quality of nursing care and take action to improve it;
17	organise their own and subordinate staff's work as well as cooperate in nursing and interprofessional teams;
18	apply critical thinking to the nurse's professional practice.

SKILLS

The graduate is able to:

1	be guided by the best interests of the patient, respect the dignity and autonomy of the persons entrusted to their care, show understanding for world-view and cultural differences and show empathy towards the patient and their family;
2	respect patients' rights and principles of humanities;
3	exercise the profession autonomously and with integrity in accordance with ethical principles, including adherence to moral values and obligations in patient care;
4	take responsibility for their professional activities;
5	to seek expert advice when having difficulty solving the problem independently;
6	anticipate and take into account factors influencing their own and the patient's reactions;
7	perceive and recognise their own limitations in terms of knowledge, skills and social competences and carry out a self-assessment of their educational deficits and needs.

DETAILED LEARNING OUTCOMES

KNOWLEDGE

A. BASIC SCIENCES

The graduate knows and understands:

A.W1.	the structure of the human body in terms of its topography (upper and lower limb, chest, abdomen, pelvis, back, neck, head) and functions (osteoarticular system, muscular system, cardiovascular system, respiratory system, digestive system, genitourinary system, nervous system and sense organs, common integument);
A.W2.	neurohormonal regulation of physiological and electrophysiological processes in the human body;
A.W3.	physiology of the various systems and organs of the human body: skeletal-articular-muscular system, cardiovascular system, haematopoietic system, respiratory system, digestive system, urinary system, male and female genital system, nervous system, endocrine system, immune system, and the sensory organs and common integument;
A.W4.	the involvement of the systems and organs of the human body in maintaining its homeostasis and the changes in the functioning of the human body as a whole when its homeostasis is disturbed;
A.W5.	functioning of the regulation systems (homeostasis) and the role of positive and negative feedback;
A.W6.	mechanisms of innate and acquired, humoral and cellular immunity;
A.W7.	basic concepts of human body pathology;
A.W8.	internal, external, modifiable and non-modifiable pathogenic factors and its influence on human body;

A.W9.	issues in the field of detailed pathology of human body systems: skeletal-articular-muscular system, cardiovascular system, haematopoietic system, respiratory system, digestive system, urinary system, male and female reproductive system, nervous system, endocrine system, immune system and metabolic disorders, water-electrolyte and acid-base metabolism;
A.W10.	basic disorders of the immune system: allergies, autoimmune diseases, immunology of cancer;
A.W11.	genetic determinants of human blood groups and serological conflict in the Rh system;
A.W12.	the issue of genetically determined diseases;
A.W13.	chromosome structure and the molecular basis of mutagenesis;
A.W14.	inheritance of a number of traits, inheritance of quantitative traits, independent inheritance of traits, and inheritance of extranuclear genetic information;
A.W15.	modern techniques for genetic testing;
A.W16.	physicochemical basis of the functioning of the senses employing physical channels of information (sound and electromagnetic waves);
A.W17.	regulation mechanisms and biophysical basis of metabolism in the human body;
A.W18.	the role of vitamins, amino acids, nucleosides, monosaccharides, carboxylic acids and their derivatives, which are part of macromolecules present in cells, the extracellular matrix and body fluids;
A.W19.	the effect on the human body of external factors such as temperature, gravity, pressure, electromagnetic fields and ionising radiation, including radon in the environment;
A.W20.	basic concepts of microbiology and parasitology and methods used in microbiological diagnosis;
A.W21.	classification of micro-organisms including pathogenic micro-organisms and those present in the human physiological microbiota;
A.W22.	individual groups of medications, their mechanisms of action, metabolism and side effects;
A.W23.	fundamental principles of pharmacotherapy;
A.W24.	individual groups of medications, their mechanisms of action, metabolism and side effects;
A.W25.	impact of disease processes on metabolism and drug elimination;
A.W26.	the most common adverse drug reactions, including those caused by drug interaction, and the procedure of reporting adverse drug reactions;
A.W27.	principles of issuing prescriptions as directed by a physician;
A.W28.	principles of treatment with blood or blood derivatives;
A.W29.	imaging methods and relevant procedures, principles of radiation protection.

B. SOCIAL SCIENCES AND HUMANITIES IN NURSING

The graduate knows and understands:

B.W1.	psychological basis of human development, normal and abnormal human behaviour;
B.W2.	issues related to the human – social environment relationship and mechanisms of human functioning in difficult situations;
B.W3.	principles of diagnosing, planning, implementing and evaluating patient care in internal medicine, surgical, operative, paediatrics, obstetrics and gynaecology, geriatrics, neurological, psychiatry, hospital emergency department, intensive care, palliative and long-term care and cancer patient nursing;
B.W4.	the stages of human psychological development and the regularities occurring at each stage of this development;
B.W5.	concepts of emotion, motivation, temperament and personality, healthy personality traits, personality disorders;
B.W6.	nature and structure of phenomena related to transferring and exchanging information, and models and styles of interpersonal communication;
B.W7.	psychological stress theories, the relationship between stress and health, and other psychological determinants of health;
B.W8.	salutogenic approach and pathogenic approach to health and disease;
B.W9.	the processes of human adaptation to living with a chronic disease or with an unfavourable prognosis and the determinants of these processes;
B.W10.	the importance of social and psychological support in health and illness and in special situations in health care;

B.W11.	techniques for coping with stress, reducing anxiety, relaxation methods and the mechanisms of occupational burnout syndrome and its prevention;
B.W12.	concepts and principles of family, group, organisation, institution, population, community and ecosystem;
B.W13.	selected areas of cultural and religious distinctiveness;
B.W14.	the extent of social interaction and the socialisation process, and the operation of local communities and the ecosystem;
B.W15.	the concepts of deviance and disorder, with particular reference to child pathology;
B.W16.	the phenomenon of social, cultural, ethnic, gender and age discrimination;
B.W17.	current and projected societal changes affecting the functioning of the health care system and the conditions of practice of the nursing profession;
B.W18.	public attitudes towards health and the health care system;
B.W19.	basic concepts and issues of pedagogy as an applied science and the educational process in terms of the social phenomena of illness, recovery, hospitalisation and dying;
B.W20.	the issue of providing health education;
B.W21.	methodology of health education for children, adolescents, adults and the older adults;
B.W22.	basic legal concepts and the role of the law in the functioning of society, with particular emphasis on human rights and labour law;
B.W23.	the basic legal regulations of the health care system, including health insurance, in force in the Republic of Poland;
B.W24.	the legal basis of the nursing profession, including the rights and duties of the nurse and the legal forms of the nursing profession, the organisation and tasks of the professional self-government of nurses and midwives and the rights and duties of its members;
B.W25.	the principles of labour, professional, civil and criminal liability relating to the nursing profession, including adverse event, professional misconduct and medical error;
B.W26.	human rights, children's rights and patients' rights;
B.W27.	the concept of public health and public health tasks;
B.W28.	cultural, social and economic determinants of public health;
B.W29.	basic concepts of health and illness;
B.W30.	the essence of disease prophylaxis and prevention;
B.W31.	principles of functioning of health care systems in the Republic of Poland and in selected European Union Member States as well as conditions of access to health care services;
B.W32.	specific health risks present in the living, teaching and learning and working environment;
B.W33.	international statistical classifications, including diseases and health problems (International Statistical Classification of Diseases and Related Health Problems, ICD-10), functioning, disability and health (International Classification of Functioning, Disability and Health, ICF) and medical procedures;
B.W34.	the subject of general and professional nursing ethics;
B.W35.	the essence of ethical decision-making and principles for resolving moral dilemmas in the work of the nurse;
B.W36.	issues of normative ethics, including values, duties and moral fitness relevant to the work of the nurse;
B.W37.	cultural and religious distinctiveness and the resulting needs of patients, their families or carers, and the principles of nursing interventions consistent with professional ethics;
B.W38.	The Code of Ethics for Nurses of the International Council of Nurses (ICN) and the Code of Ethics for Professional Nurses and Midwives of the Republic of Poland;
B.W39.	teamwork priorities and factors affecting team effectiveness;
B.W40.	the importance of team members' motivation for the quality and effectiveness of the team's work;
B.W41.	the role of leadership and management styles in teamwork and their advantages and disadvantages;
B.W42.	the team decision-making process;
B.W43.	methods for self-evaluation of team performance;
B.W44.	disruptive factors in teamwork and methods of resolving team conflicts;
B.W45.	principles of effective communication in interprofessional teams;

B.W46.	principles for establishing contact with the patient, their family or carer, building relationships and communicating information to the patient or authorised person as well as methods to improve communication with the patient, their family or carer;
B.W47.	principles for communicating with the culturally and sexually diverse patient, the blind and visually impaired patient and the deaf and hearing impaired patient;
B.W48.	the importance of the patient's perspective in nursing care, motivating patient adherence and a pro-healthy lifestyle;
B.W49.	methods of showing empathy to the patient, their family or carer;
B.W50.	principles for dealing with and coping with bullying, discrimination and other pathological behaviour in the work environment.

C. SCIENCES IN BASIC NURSING CARE

The graduate knows and understands:

C.W1.	determinants of nursing development in the context of the transformation of nursing care and professionalization of modern nursing;
C.W2.	the concept of nursing, including supporting, assisting and accompanying, as well as the role of the patient in the implementation of nursing care;
C.W3.	the definition of the nursing profession according to the International Council of Nurses (ICN), the functions and professional tasks of a nurse according to the World Health Organization (WHO);
C.W4.	the nursing process (definition, stages, principles) and methods of organizing work, including in primary nursing, its essence and peculiarities, with regard to their impact on the quality of nursing care and the development of nursing practice;
C.W5	classifications of nursing practice (the International Classification for Nursing Practice, and the International Classification of Nursing Diagnoses by NANDA, North American Nursing Diagnosis Association);
C.W6.	the essence of nursing care based on selected theoretical assumptions (Florence Nightingale, Virginia Henderson, Dorothea Orem, Callista Roy, Betty Neuman);
C.W7.	the essence, purpose, indications, contraindications, complications, dangers, applicable principles and technique of performing basic nursing activities in preventive, diagnostic, therapeutic and rehabilitative services in accordance with the applicable guidelines;
C.W8.	the tasks of the nurse in the care of healthy patients, patients at risk of illness and sick patients, including those with an unfavourable prognosis;
C.W9.	the scope and nature of nursing care in cases of deficits in self-care, disturbed comfort and disturbed psychomotor sphere of the patient;
C.W10.	the scope of nursing care and nursing interventions in selected nursing diagnoses;
C.W11.	the nurse's participation in the interprofessional team in the process of health promotion, primary prevention, diagnosis, treatment and rehabilitation;
C.W12.	the principles of providing assistance in health emergencies;
C.W13.	the concepts and assumptions of health promotion and health prevention;
C.W14.	the tasks of the nurse in health promotion and the principles of constructing health promotion programs;
C.W15.	health promotion strategies of local, national and global scope;
C.W16.	the organization and functioning of primary health care in the Republic of Poland and other countries, taking into account the tasks and professional rights of the nurse and other employees of the health care system;
C.W17.	conditions for the implementation and principles of financing nursing services in primary health care;
C.W18	conditions for the implementation and principles of financing nursing services in primary health care;
C.W19.	the principles of coordinating the process of health care delivery in primary care; C.W20. C.W21. C.W22. C.W23. C.W24. C.W25. classification and types of diets;
C.W20.	preventive vaccinations and types of vaccines resulting from the current immunization program in the Republic of Poland and their performance;

C.W21.	standards for conducting qualifying examinations for influenza, hepatitis, tetanus, COVID-19 immunization and performing immunization against influenza, hepatitis, tetanus, COVID-19, pneumococcus, rabies and other mandatory and recommended immunizations in accordance with the law on immunization, with safety rules for the patient and oneself;
C.W22.	procedures to be followed in the event of an adverse vaccine reaction and the rules for reporting on immunization;
C.W23.	energy, nutrient and water requirements in healthy and sick people of different ages and health status;
C.W24.	principles of nutrition for healthy and sick people of different ages, enteral and parenteral nutrition and the basics of nutrition education;
C.W25.	classification and types of diets;
C.W26.	principles of assessing nutritional status and causes and types of malnutrition;
C.W27.	basics of diet therapy in the most common diet-related diseases in children and adults;
C.W28.	foodstuffs for special nutritional purposes;
C.W29.	concepts of job position, duties, powers and responsibilities in nursing jobs;
C.W30.	regulations on working hours, shift work, work schedules and workload at nursing workplaces;
C.W31.	basic methods of organizing nursing care and their importance in ensuring the quality of this care;
C.W32.	basics of management, the stages of planning own work and subordinate staff's work;
C.W33.	professional authority ranges and qualifications in nursing, career planning opportunities and considerations for one's own professional development;
C.W34.	determinants of quality assurance of nursing care and the principles of quality management of such care;
C.W35.	the principles of formation and development of various forms of professional activities of the nurse;
C.W36.	the concept, principles and method of subject examination and its documentation;
C.W37.	a system for describing the patient's symptoms and complaints according to the OLD CART schemes (Onset, Location, Duration, Character, Aggravating/Alleviating factors, Radiation, Timing), FIFE (Feelings, Ideas, Function, Expectations), SAMPLE (Symptoms, Allergies, Medications, Past medical history, Last meal, Events prior to injury/illness);
C.W38.	a system for describing the diagnosis of a patient's condition for the care provided by a PES nurse (Problem, Etiology, Symptom);
C.W39.	the importance of cultural and social determinants in assessing health;
C.W40.	methods and techniques of comprehensive physical examination and its documentation;
C.W41.	principles of preparing the patient for ECG examination and the technique of performing ECG, right ventricular ECG and ECG with additional leads;
C.W42.	the principles of recognizing in the ECG recordings of P, Q, R, S, T, U refractions, features of a normal recording and features of basic disorders (cardiac arrhythmias, conduction abnormalities, electrolyte abnormalities, myocardial ischemia and necrosis);
C.W43.	the type of equipment and its preparation for spirometry and the principles of performing this test;
C.W44.	the importance of the results of the physical examination and physical examination in formulating an assessment of the patient's health status for nursing care;
C.W45.	ways in which a nurse can conduct a subject examination and physical examination using ICT or communication systems, and ways in which patient health data can be collected using digital technologies;
C.W46.	the concept of healthcare-associated infections, their sources, pathogens of hospital-acquired infections, their reservoirs, routes of spread and the epidemic chain;
C.W47.	the organization of infection surveillance in a medical entity and methods of infection control, taking into account the role of the epidemiological nurse;
C.W48.	the principles of prevention as well as the mechanism and management of septic bloodstream infection, hospital-acquired pneumonia, urinary tract infection, gastrointestinal infection of <i>Clostridioides difficile</i> etiology, surgical site infection, chronic wound infection and systemic infection, and the principles of aseptic and antiseptic management in the prevention of hospital-acquired infections;

C.W49.	the principles of construction and operation of the Medical Information System (SIM - System Informacji Medycznej), field ICT systems and medical records, as well as the principles of their interoperability;
C.W50.	methods, tools and techniques of data acquisition and their use in the professional practice of nursing;
C.W51.	basics of sign language, dactylographic and ideographic signs, to the extent necessary to gather information about the patient's health situation;
C.W52.	telemedicine and e-health systems and their importance in improving health care delivery, including nursing services;
C.W53.	types of telemedicine systems including the division into synchronous and asynchronous systems;
C.W54.	technical tools used in telemedicine and e-health systems;
C.W55.	the scope and principles of the nurse's participation in the provision of health services using telemedicine and e-health systems

D. SCIENCES IN SPECIALISED MEDICAL CARE

The graduate is able to:

D.W1.	risk factors and health risks in patients of different ages;
D.W2.	etiopathogenesis, clinical manifestations, course, treatment, prognosis and principles of nursing care of patients in selected diseases, including cancer;
D.W3.	types of diagnostic tests, their clinical significance and the principles of their ordering, as well as the nurse's professional authority to make referrals for diagnostic tests in specific clinical conditions;
D.W4.	the principles of preparing a patient of different ages and health status for examinations and diagnostic procedures, as well as the principles of care during and after these examinations and procedures;
D.W5.	the principles and scope of pharmacotherapy in specific clinical conditions;
D.W6.	the properties of drug groups and their effects on the patient's body systems and organs in various diseases according to age and health status, including side effects, interactions with other drugs and routes of administration;
D.W7.	principles of organization of specialized care (internal medicine, surgery, operating theater, pediatrics, geriatrics, neurology, psychiatry, hospital emergency department, intensive care, palliative and long-term care, and cancer patients);
D.W8.	nursing standards and procedures used in caring for patients of different ages and health conditions;
D.W9.	reactions of patients of different ages to illness, hospital admission and hospitalization;
D.W10.	methods and techniques for communicating with a patient unable to establish and maintain effective communication due to a medical condition or treatment being administered;
D.W11.	principles of patient nutrition including dietary treatment, pre- and post-operative indications according to current guidelines, recommendations and protocols (Enhanced Recovery After Surgery, ERAS);
D.W12.	types and principles of use of special dietary agents in certain clinical conditions;
D.W13.	principles of care for patients with nutritional fistulas, in particular Percutaneous Endoscopic Gastrostomy (PEG), gastostomy, microjejunostomy, excretory fistulas (colostomy, ileostomy, urostomy) and fistulas resulting from complications;
D.W14.	the principles of preparing the patient for emergency and elective surgery, in same-day surgery, and the principles of caring for the patient after surgery to prevent early and late complications;
D.W15.	factors that increase perioperative risk;
D.W16.	principles of patient follow-up after surgery including basic and extended monitoring;
D.W17.	methods and scales for assessing acute pain and evaluating the level of sedation;
D.W18.	pathophysiology, clinical manifestations, course, treatment and prognosis of developmental diseases: diseases of the respiratory system, cardiovascular system, nervous system, urinary system, gastrointestinal system, and endocrine, metabolic, allergic and blood diseases;
D.W19.	the pathophysiology, clinical manifestations of diseases and life-threatening conditions of the newborn, including the premature baby, and the essence of nursing care in this regard;

D.W20.	the purpose and principles of preconception care and the principles of planning care for a woman in physiological pregnancy;
D.W21.	the periods of childbirth, the principles of emergency delivery, and the principles of caring for a woman in the puerperium;
D.W22.	the etiopathogenesis of gynaecological disorders;
D.W23.	the aging process in biological, psychological, social and economic aspects;
D.W24.	pathophysiology, clinical manifestations, course, treatment and prognosis of diseases of the elderly: dementia syndrome, delirium, depression, gait and balance disorders, malnutrition, osteoporosis, orthostatic hypotonia, diseases of the organ of sight and the organ of hearing, incontinence and injuries sustained as a result of falls;
D.W25.	tools and scales for comprehensive geriatric assessment and evaluation of support for older adults and their families or caregivers;
D.W26.	principles of improvement and activation of the elderly;
D.W27.	methods, techniques and tools for assessing the state of consciousness and consciousness;
D.W28.	the etiopathogenesis and clinical manifestations of basic mental disorders in children, adolescents and adults, including the elderly;
D.W29.	opportunities to build a therapeutic relationship, apply therapeutic communication, elementary psychotherapy and other methods of support and therapy for patients with mental disorders (children, adolescents and adults, including the elderly), taking into account all levels of health services (outpatient, intermediate, inpatient and in the patient's living environment);
D.W30.	rules applicable to the use of direct coercion;
D.W31.	emergency standards and procedures and current guidelines of the Polish Resuscitation Council (PRC) and the European Resuscitation Council (ERC);
D.W32.	CPR algorithms for Basic Life Support (BLS) and Advanced Life Support (ALS) according to PRC and ERC guidelines;
D.W33.	the principles of organization and operation of the State Emergency Medical Service system;
D.W34.	procedures for medical security in mass incidents, disasters and other special situations, as well as rules to ensure the safety of responders, victims and witnesses to the incident;
D.W35.	the tasks performed in the position of a nurse in a hospital emergency department;
D.W36.	the rules for admitting a patient to a hospital emergency department and the medical triage systems applicable to the department;
D.W37.	emergency management in the hospital emergency department in emergency conditions according to the disease entity and indications for instrumental airway management with supraglottic methods;
D.W38.	methods of anesthesia and principles of patient care after anesthesia;
D.W39.	the pathophysiology and clinical manifestations of life-threatening diseases (respiratory failure, circulatory failure, nervous system disorders, shock, sepsis);
D.W40.	preventive measures of sleep disorders in the patient, including in intensive care, and delirious states, their causes and consequences;
D.W41.	principles of prevention of complications associated with the use of invasive diagnostic and therapeutic techniques in patients with life-threatening conditions;
D.W42.	the process of dying, the symptoms of impending death, and the principles of care in the last hours of life for patients with non-treatable diseases;
D.W43.	the process of dying, the symptoms of impending death, and the principles of care in the last hours of life for patients with non-treatable diseases;
D.W44.	the role and tasks of the long-term care nurse in providing comprehensive care and treatment to patients, and the principles of cooperation with health and social care institutions;
D.W45.	global trends in long-term care with the use of the latest medical and digital technologies;
D.W46.	basic directions of therapeutic and vocational rehabilitation;
D.W47.	the course and methods of rehabilitation processes in various diseases;
D.W48.	the importance of scientific research for nursing practice and the development of the nursing profession;
D.W49.	nursing scientific organizations and their role in research;
D.W50.	the object, purpose and area of scientific research and paradigms of nursing;
D.W51.	methods and techniques for conducting scientific research in nursing;

D.W52.	principles of ethics in the conduct of scientific research and basic regulations of copyright and intellectual property law in the professional activities of a nurse;
D.W.53.	the basic principles of patient and medical staff participation in clinical trials.

SKILLS

A. BASIC SCIENCES

The graduate is able to:

A.U1.	use anatomical nomenclature in practice and use knowledge of the topography of the organs of the human body;
A.U2.	interpret physiological processes with particular emphasis on neurohormonal regulation of physiological processes;
A.U3.	describe the changes in the functioning of the human body as a whole in case of disruption of its homeostasis;
A.U4.	link morphological and functional changes within tissues, organs and systems with clinical signs and results of diagnostic tests, and indicate the consequences of developing pathological changes for the human body;
A.U5.	estimate the risk of manifestation of a given disease based on the principles of heredity and the influence of environmental factors;
A.U6.	use genetic disease determinants in disease prevention;
A.U7.	participate in the selection of diagnostic methods for specific clinical conditions using knowledge of biochemistry and biophysics;
A.U8.	participate in the prevention of pre-laboratory errors;
A.U9.	properly interpret the results of laboratory tests;
A.U10.	recognize the most common pathogenic microorganisms and human parasites based on their structure, physiology, life cycles and the disease symptoms they cause;
A.U11.	plan and perform basic microbiological diagnostic activities and interpret the results obtained;
A.U12.	estimate toxicological hazards in specific age groups and in various clinical conditions;
A.U13.	use pharmaceutical directories and databases of medicinal products;. apply the principles of radiological protection;
A.U14.	prepare records of prescription forms of medicinal substances and foodstuffs for special nutritional purposes ordered by a doctor;
A.U15.	calculate drug dosages according to the characteristics of the drug product;
A.U16.	apply the principles of radiological protection.

B. SOCIAL SCIENCES AND HUMANITIES IN NURSING

The graduate is able to:

B.U1.	recognize normal, disturbed and pathological behaviour;
B.U2.	recognize disorders in human social functioning and evaluate the process of human adaptation in different contexts of health and disease, as well as identify the role of social and psychological support in the care of healthy and sick people;
B.U3.	evaluate the relationship of illness and hospitalization and a person's physical and mental state;
B.U4.	evaluate human functioning in difficult situations such as stress, frustration, conflict, trauma, bereavement, physical violence, sexual violence, introduce elementary forms of psychological assistance and inform about specialized forms of assistance;
B.U5.	identify errors and barriers in the process of communicating in difficult situations, demonstrate the ability to listen actively and create conditions for proper communication with the patient and members of the interprofessional team;
B.U6.	use verbal and non-verbal communication techniques in nursing practice;
B.U7.	identify and apply appropriate anxiety reduction techniques and relaxation methods;
B.U8.	apply techniques to prevent occupational burnout syndrome and develop personal resources to cope with occupational burnout syndrome;
B.U9.	apply techniques for dealing with difficult situations in the nurse's professional work such as serious illness of a patient, death, medical error, physical and psychological violence;

B.U10.	propose measures to prevent discrimination, racism and dysfunctionality in various social groups based on the principles of humanism;
B.U11.	diagnose factors affecting the health situation of the individual within the family and community;
B.U12.	recognize educational needs in groups of recipients of nursing services;
B.U13.	develop educational programs on health-promoting activities for various nursing audiences;
B.U14.	apply the law on the implementation of the professional practice of nursing and patient rights and safety rules;
B.U15.	analyze global health care trends in terms of the latest epidemiological and demographic data;
B.U16.	analyze the functioning of health care systems in the Republic of Poland and selected European Union member states;
B.U17.	apply international statistical classifications, including diseases and health problems (ICD-10), functioning, disability and health (ICF) and medical procedures;
B.U18.	solve ethical and moral dilemmas that occur in the professional practice of nursing;
B.U19.	recognize the needs of patients, their families or caregivers regarding cultural and religious distinctiveness and intervene in accordance with the principles of professional nursing ethics;
B.U20.	recognize the needs of patients, their families or caregivers regarding cultural and religious distinctiveness and intervene in accordance with the principles of professional nursing ethics;
B.U21.	identify factors that disrupt teamwork and identify ways to increase efficiency in teamwork;
B.U22.	identify ways to solve problems presented by team members;
B.U23.	apply the principles of proper and effective communication with members of the interprofessional team;
B.U24.	use medical literature in English, and in the case of English-language education, medical literature in another foreign language;
B.U25.	communicate in English, and in the case of education in English - in another foreign language, at the B2 level of the Common European Framework of Reference for Languages

C. SCIENCES IN BASIC NURSING CARE

The graduate is able to:

C.U1.	apply the selected nursing method in patient care;
C.U2.	collect information by means of interview, observation, measurement, physical examination and analysis of documentation to diagnose the patient's condition, and interpret and document the results obtained for nursing diagnosis;
C.U3.	establish a nursing care plan and implement it together with the patient, family or caregiver;
C.U4.	monitor the patient's health status during his/her stay in the hospital or other units of the health care system;
C.U5.	perform initial, ongoing and final assessments of the patient's condition (status, problems, needs) and evaluation of nursing interventions undertaken;
C.U6.	measure blood glucose and ketone bodies with a glucometer, measure glucose and ketone bodies in urine with diagnostic strips, measure blood cholesterol, and perform other strip tests;
C.U7.	perform the procedure for hygienic hand washing and disinfection, put on and remove disposable medical gloves, put on surgical clothing, apply the principles of aseptics and antiseptics, handle medical waste, and use personal protective equipment and post-exposure procedure;
C.U8.	prepare medical instruments and equipment for procedures and inspect the effectiveness of sterilization;
C.U9.	conduct, document and evaluate the patient's fluid balance;

C.U10.	perform body temperature, heart rate, respiration, blood pressure, central venous pressure, saturation, peak expiratory flow and anthropometric measurements (measurement of body weight, height or body length, perimeters: head, chest, waist, Body Mass Index (BMI), fat distribution indices: Waist Hip Ratio (WHR), Waist to Height Ratio (WHtR), skinfold thickness, abdominal and limb circumferences) and interpret their results;
C.U11.	collect material for laboratory and microbiological tests and assist the doctor with diagnostic tests;
C.U12.	issue referrals for certain diagnostic tests;
C.U13.	use anti-inflammatory treatments;
C.U14	store and prepare medications according to current pharmacotherapy and nursing care standards;
C.U15.	calculate drug dosage, self-administer drugs to the patient by various routes in accordance with the nurse's professional authority or the doctor's written order, and medicinal products from life-saving anti-shock kits, and participate in the doctor's administration of botulinum toxin in medical procedures for the treatment of spasticity;
C.U16.	issue prescriptions for drugs, including prescription drugs, foodstuffs for special nutritional purposes and medical devices as part of the continuation of treatment under the implementation of medical orders;
C.U17.	participate in the transfusion of blood and its components as well as blood substitutes;
C.U18.	perform vaccinations against influenza, hepatitis, tetanus, COVID-19, pneumococcus, rabies and other mandatory and recommended immunizations in accordance with the law;
C.U19.	recognize and classify adverse post-vaccination symptoms and characterize local and generalized body reactions occurring in the patient, and take appropriate action;
C.U20.	perform skin tests and sensitization tests;
C.U21.	perform rinsing of the mouth, throat, eye, ear, stomach, bladder, intestinal fistula and wound;
C.U22.	insert and remove a catheter from peripheral veins, including the external jugular vein, perform IV drip infusions, and monitor and care for the peripheral venipuncture site;
C.U23.	select and use available methods of feeding the patient (orally, through a gastric tube or a nutritional fistula);
C.U24.	move and position a patient using a variety of techniques, methods and equipment, applying principles of patient and own safety;
C.U25.	issue orders for medical products in continuation of a physician's order;
C.U26.	conduct respiratory gymnastics and perform positioning drainage, inhalation and airway decongestion;
C.U27.	administer oxygen to the patient on an ad hoc basis using various methods, and participate in oxygen therapy using access to a central medical gas system, oxygen cylinder or oxygen concentrator;
C.U28.	carry out rubbing, patting, passive and active exercises;
C.U29.	perform hygienic procedures on the child and adult, care for the skin and its creations and mucous membranes with the use of pharmacological agents and medical materials, including the use of therapeutic baths;
C.U30	assess the risk of developing bedsores and apply preventive measures;
C.U31.	perform rectal procedures;
C.U32.	nurse intestinal and urinary fistulas, including applying the principles and techniques of insertion and replacement of the stoma bag and fistula care products;
C.U33.	insert a bladder catheter, monitor diuresis, remove the catheter and provoke micturition;

C.U34.	insert a gastric tube, monitor its position and patency, remove it, and replace the PEG - Percutaneous Endoscopic Gastrostomy (low-profile balloon gastrostomy);
C.U35.	issue orders for foodstuffs for special nutritional purposes;
C.U36.	select the type and technique of application of bandages and other dressing materials and apply them;
C.U37.	put on surgical clothing;
C.U38.	put a dressing on the wound, change it or remove it;
C.U39.	remove sutures from the wound;
C.U40.	maintain medical records, including in electronic form, and handle and secure them in accordance with the law;
C.U41.	provide first aid in conditions of immediate danger to health and life;
C.U42.	temporarily immobilize bone fractures, dislocations and sprains and prepare the patient for transport;
C.U43.	temporarily stop bleeding and hemorrhaging;
C.U44.	assess the health potential of the patient and family using measurement tools;
C.U45.	assess the child's psychophysical development, perform screening tests and detect developmental disorders;
C.U46.	evaluate the health situation of an adult requiring primary health care assistance and establish a plan of action;
C.U47.	select methods and forms of disease prophylaxis and prevention, shape the health behavior of various social groups, and develop and implement individual health promotion programs for patients, families and social groups;
C.U48.	recognize the determinants of the patient's health behavior and risk factors for diseases resulting from lifestyle;
C.U49.	organize the isolation of patients with infectious disease in public places and at home;
C.U50.	implement an individual medical care plan for patient care and coordinate individual care in the patient's home environment;
C.U51.	plan care for the patient and family using nursing practice classifications (ICNP, NANDA), nursing capacity assessments, and environmental ecomaps;
C.U52.	prepare records of prescription forms of medicinal substances in the continuation of treatment;
C.U53.	teach the patient to self-monitor his or her health;
C.U54.	provide primary health care services;
C.U55.	evaluate the environment of residence, teaching and upbringing in identifying health problems and planning care;
C.U56.	evaluate the nutritional status of the body using anthropometric, biochemical methods and subject examination, and provide nutrition counselling;
C.U57.	use and order therapeutic diets;
C.U58.	select foodstuffs for special nutritional purposes and issue prescriptions for them in the execution of medical orders and provide information on their use;
C.U59.	make decisions on the choice of work methods and team cooperation;
C.U60.	monitor the risks in the nurse's profession and the factors that contribute to the occurrence of occupational diseases and accidents at work;
C.U61.	participate in the development of nursing practice standards and procedures as well as to monitor the quality of nursing care;
C.U62.	supervise and evaluate the work of subordinate staff;
C.U63.	plan their own professional development and improve their active job search skills, as well as analyze various forms of professional activities of a nurse;
C.U64.	conduct a medical interview of the patient, analyze and interpret the results;
C.U65.	select and use clinimetric tools to assess a patient's condition;

C.U66.	recognize and interpret basic distinctions in the examination of a child and an adult, including an older adult;
C.U67.	use physical examination techniques to assess the physiological and pathological functions of the skin, sensory organs, head, chest, patient's mammary glands (examination and self-examination), abdominal cavity, genital organs, cardiovascular system, respiratory system, peripheral circulatory system, musculoskeletal system and nervous system, and document the results of the physical examination and use them to assess the patient's health;
C.U68	perform a comprehensive physical examination of the patient, document the results of the examination and analyze them for nursing care, apply a comprehensive assessment of the patient's health status according to the four A's scheme (Analgesia, Activity of daily living, Adverse effects, Aberrant behaviors), apply the PES system of describing the patient's health diagnosis for nursing care, and assess the completeness of the collected information on the patient's health situation according to the SOAP scheme (Subjective, Objective, Assessment, Plan/Protocol);
C.U69.	collect patient health data using digital technologies;
C.U70.	perform ECG in a patient of different ages at rest, interpret the components of a normal recording of the bioelectrical function of the heart, recognize disorders that threaten health and life;
C.U71.	perform a spirometry test and make a preliminary assessment of the test result in a patient of different ages and health status;
C.U72.	apply the principles of prevention and control of healthcare-associated infections;
C.U73.	apply the principles of prevention of blood stream infections, hospital-acquired pneumonia, urinary tract infections, gastrointestinal infections of <i>Clostridioides difficile</i> etiology, surgical site infections, chronic wound infections and systemic infection;
C.U74.	use personal protective equipment necessary to ensure the safety of themselves, patients and co-workers from healthcare-associated infections and implement the appropriate type of patient isolation;
C.U75.	interpret and apply the functional assumptions of health care information systems using advanced information methods and technologies in the performance and contracting of health care services;
C.U76.	handle medical records and observe the principles of security and confidentiality of medical information and protection of personal data;
C.U77.	use sign language and other ways and means of communication in caring for hearing-impaired and deaf patients;
C.U78.	apply tools used in telemedicine and e-health systems;
C.U79.	document the patient's health situation, the dynamics of its changes and the nursing care implemented, taking into account IT tools for data collection;
C.U80.	support the patient in the use of ICT systems for self-care in health and disease.

D. SCIENCES IN SPECIALISED CARE

The graduate is able to:

D.U1.	gather information, formulate a nursing diagnosis, establish nursing goals and care plan, implement nursing interventions, and evaluate nursing care;
D.U2.	use scales and questionnaires to assess a patient's condition or functional capacity in specific health situations;
D.U3.	use scales and questionnaires to assess a patient's condition or functional capacity in specific health situations;
D.U4.	conduct a comprehensive physical examination and physical examination of various clinical conditions for planning and implementing nursing care;

D.U5.	assess the level of pain, the patient's response to pain and its severity, and apply pharmacological and non-pharmacological methods of pain management;
D.U6.	assist the doctor during diagnostic examinations of body cavities (abdominal puncture, pleural puncture, marrow collection, lumbar puncture) and endoscopy;
D.U7.	prepare and administer medications to the patient by various routes in accordance with the nurse's professional privileges or the doctor's written order for specific clinical conditions, as well as medicinal products from life-saving anti-shock kits;
D.U8.	issue prescriptions for drugs in fulfillment of medical orders for certain clinical conditions;
D.U9.	recognize complications of pharmacotherapy, dietary treatment and resulting from therapeutic measures and care;
D.U10.	select and administer diet therapy and carry out enteral nutrition (via gastric tube and nutritional fistula) and parenteral nutrition in children and adults;
D.U11.	carry out prevention of complications occurring in the course of diseases;
D.U12.	provide self-care counseling to patients of different ages and health conditions regarding developmental defects, diseases and mental disorders, including addictions, taking into account the families of these patients;
D.U13.	conduct bedside rehabilitation and patient activation using elements of occupational therapy;
D.U14.	educate the patient, family or caregiver on the selection and use of nursing and rehabilitation equipment and medical products;
D.U15.	conduct a therapeutic conversation;
D.U16.	use methods of communicating with a patient unable to establish and maintain effective communication due to a medical condition or treatment being administered;
D.U17.	communicate with members of the interprofessional team in obtaining and conveying information about the patient's condition;
D.U18.	organize the isolation of patients with infection and infectious disease in medical entities;
D.U19.	administer oxygen to the patient on demand and monitor the patient's condition during oxygen therapy in various clinical conditions;
D.U20.	perform ECG in a patient of different ages at rest and recognize a life-threatening condition;
D.U21.	calculate prandial insulin doses taking into account the patient's test results, as well as to modify the fixed dose of insulin;
D.U22.	prepare the patient physically and mentally for diagnostic tests and surgery in urgent and scheduled modes;
D.U23.	recognize complications after specialized diagnostic tests and surgical procedures;
D.U24.	choose the technique and methods of wound care, including removing sutures and applying specialized dressings;
D.U25.	select methods and means of wound care based on their classification;
D.U26.	nurse a patient with an intestinal and urinary fistula;
D.U27.	transfer the patient, according to procedures, to the operating theater for invasive examinations or receive the patient from the operating theater after invasive examinations, transfer the patient from the ward to another ward, laboratory, treatment entity, and provide information about the patient according to the principles of the SBAR protocol (Situation, Background, Assessment, Recommendation);
D.U28.	ensure the safety of the woman and child in an emergency childbirth situation;
D.U29.	evaluate the capabilities and functional deficits of an older adult in daily life, using scales included in the scope of the comprehensive geriatric assessment;

D.U30.	recognize the risk of frailty syndrome in an older adult, using recommended assessment scales, and establish nursing care priorities and preventive actions on this basis to prevent worsening of functional deficits;
D.U31.	apply BLS and ALS resuscitation algorithms in accordance with PRC and ERC guidelines;
D.U32.	maintain medical records in the hospital emergency department in accordance with the regulations;
D.U33.	apply the system of medical triage in the hospital emergency department;
D.U34.	analyse and critically assess the needs of patients requiring enhanced medical care (older adults, the infirm, the lonely, the chronically ill, and those requiring direct coercion) in a hospital emergency department and respond to these needs by adapting nursing interventions to them;
D.U35.	prepare the patient for medical transport and provide care during this transport;
D.U36.	apply procedures for nursing management of life and health emergencies;
D.U37.	apply the guidelines for the management of clinical conditions in the hospital emergency department;
D.U38.	nurse a patient with an endotracheal or tracheostomy tube and a mechanically ventilated patient;
D.U39.	perform bronchial tree toilet procedure with an open or closed system in a patient with certain clinical conditions;
D.U40.	nurse peripheral and central venous vascular access and intravenous access;
D.U41.	recognize agony and nurse the dying patient;
D.U42.	follow the procedure for handling the body of a deceased patient;
D.U43.	conduct a patient assessment as part of the eligibility procedure for admission to long-term care services (home, day and inpatient);
D.U44.	plan, organize and coordinate the process of providing health care services to patients of nursing long-term home care, day care or residing in inpatient long-term care facilities;
D.U45.	use organizational innovations and the latest medical and digital technologies in long-term care;
D.U46.	critically analyze published scientific findings and identify opportunities for their use in the professional practice of nursing;
D.U47.	apply copyright and intellectual property law regulations in the professional activities of a nurse.

Description of the process leading to obtaining the learning outcomes

Part B) of the study programme

Faculty offering the field of study:	Faculty of Health Sciences
Field of study:	nursing
Level of qualification:	first-cycle studies
Level in the Polish Qualifications Framework:	level 6
Degree profile:	practical
Association of the field of study with scientific or artistic discipline(s) to which the learning outcomes refer:	Discipline: health sciences (100%) Main discipline: health sciences
Mode of study:	full-time
Number of semesters:	6
Number of ECTS credits required to complete a programme at a given level:	180
Total number of didactic hours:	4159
Professional title awarded to graduates:	licencjat pielęgniarstwa
Indication of the relation of the study programme to the NCU mission and strategy:	<ul style="list-style-type: none"> - to provide the highest level of education, research and clinical practice, - to impart the latest knowledge and develop personality, creativity and social sensitivity in accordance with universal ethical principles.

Courses/group of course with expected learning outcomes

Groups of courses	Course	Expected Learning Outcomes	Forms and methods of training which ensure the achievement of learning outcomes	Methods for the verification and assessment of the learning outcomes achieved by the student
A. Basic Sciences	Anatomy	A.W1 A.U1	informative lecture with the use of multimedia presentations, dissecting exercises using human cadavers, isolated anatomical models and preparation films	written colloquium, oral colloquium, essay, tests: MCQ (Multiple Choice Questions), MRQ (Multiple Response

				Questions), Yes/No choice or matching of answers, extended observation, written examination
	Physiology	A.W2, A.W3, A.W4, A.W5, A.W6 A.U2, A.U3	lectures, tutorials, self-study traditional lecture supported by multimedia techniques, practical exercises	written credit, extended observation
	Pathology: Pathophysiology and Pathomorphology	A.W7,A.W8, A.W9, A.W10, A.U3, A.U4	lectures, tutorials, self-study traditional lecture supported by multimedia techniques discussion, practical exercises	written credit, extended observation preparation of an original presentation on a given topic in the area of general and detailed pathomorphology obligatory participation in lectures
	Genetics	A.W11, A.W12, A.W13, A.W14, A.W15 A.U5, A.U6	lectures, tutorials, self-study traditional lecture supported by multimedia techniques, interactive lecture, expository methods, multimedia presentation, work with books - discussion	written credit self-study: preparation of a PowerPoint/Open Office presentation on a topic selected from a list

	Biochemistry and Biophysics: Biochemistry	A.W16, A.W18, A.U7-A.U9	lectures, tutorials informative lecture, problem lecture, laboratory exercises, measurements and analysis of results	written credit, extended observation
	Biochemistry and Biophysics: Biophysics	A.W17, A.W19 A.U7-A.U9	lectures, tutorials informative lecture, problem lecture, laboratory exercises, measurements and analysis of results	written credit, extended observation
	Microbiology and Parasitology	A.W20,A.W21 A.U10, A.U11, A.U12,	lectures, tutorials, self-study informative lecture, didactic discussion, multimedia presentations	written credit lectures: obligatory participation in lectures credit for tutorials based on direct observation of student demonstrating skills using check-lists self-study: preparation of a PowerPoint/Open Office presentation on a topic selected from a list
	Pharmacology	A.W22, A.W23,A.W24, A.W25, A.W26, A.W27, A.W28 A.U13, A.U14, A.U15	lectures, tutorials, self-study	written credit lectures: compulsory

				attendance at lectures self-study: preparation of a presentation on a topic selected from the list
	Radiology	A.W29 A.U16	lectures, tutorials informative lecture, didactic discussion	written credit, oral credit, extended observation
B. Social Sciences and Humanities in Nursing	Psychology	B.W1, B.W2, B.W4, B.W5, B.W7, B.W8, B.W9, B.W10, B.W11, B.W12, B.W48, B.W49, B.W50 B.U1, B.U2, B.U3, B.U4, B.U5, B.U6, B.U7, B.U8, B.U9	lectures, tutorials informative lecture, conversational lecture, expository methods: film, demonstration, didactic discussion, case analysis	written credit, oral credit, extended observation
	Sociology	B.W12, B.W13, B.W14, B.W15, B.W16, B.W17, B.W18 B.U10, B.U11	lectures, tutorials informative lecture, discussion, case analysis	written credit, oral credit, extended observation
	Pedagogy	B.W19-B.W21, B.U12, B.U13	lectures, tutorials, self-study conversational lecture, presentation, multimedia presentation, film, brain storming, didactic discussion, work with books	written credit, oral credit, extended observation self-study: preparation of a presentation on a topic selected from a list
	Medical Law	B.W22, B.W23, B.W24, B.W25, B.W26 B.U14	lectures informative lecture, problem lecture, chat, discussion,	written credit, oral credit

	Public Health	B.W27, B.W28, B.W29, B.W30, B.W31, B.W32, B.W33, B.W48 B.U 11, B.U15, B.U16, B.U17	lectures, tutorials, self-study	written credit, oral credit, extended observation self-study: preparation of a presentation on a topic selected from a list
	Ethics of the Nursing Profession	B.W34, B.W35, B.W36, B.W37, B.W38 B.U18, B.U19	lectures, tutorials, self-study	written credit
	Cooperation and Communication in an Interpersonal Team	B.W6, B.W39, B.W40, B.W41, B.W42, B.W43, B.W44, B.W45, B.W46, B.W47, B.W48, B.W49, B.W50 B.U20, B.U21, B.U22, B.U23		
	English	B.U24, B.U25	tutorials	written credit, oral credit, extended observation
C. Sciences in Specialised Care	Basics of Nursing	C.W1, C.W2, C.W3, C.W4, C.W5, C.W6, C.W7, C.W8, C.W9, C.W10, C.U1, C.U2, C.U3, C.U4, C.U5, C.U6, C.U7, C.8, C.U9, C.U10, C.U11, C.U12, C.U13, C.U14, C.U15, C.U16, C.U17, C.U18, CX.U19, C.U20, C.U21, C.U22, C.U23, C.U24, C.U25, C.U26, C.U27, C.U28, C.U29, C.U30, C.U31, C.U32, C.U33, C.U34, C.U35, C.U36, C.U37, C.U38, C.U39, C.U40, C.U41, C.U42,	informative lecture, discussion, enactment, simulation methods, case methods, demonstration with instruction, traditional lecture, tutorials, practical classes, work placement, self-study	written credit, practical credit by OSCE (Objective Structured Clinical Examination) method, extended observation, written exam, practical exam

		C.U43, C.U52		
	Health Promotion	C.W8, C.W10, C.W11, C.W.13, C.W.14, C.W.15, C.U2, C.U44, C.U47, C.U48, C.U51, C.U53	informative lecture, conversational lecture, tutorials, case study, didactic discussion, brainstorming, project development, practical classes, case study, self-study	written exam, portfolio of tutorials and practical classes, 360 degree assessment
	Nursing in Primary Healthcare	C.W16, C.W17, C.W18, C.W19, C.W20, C.W.21, C.W.22, C.U18, C.U19, C.U44, C.U45, C.U46, C.U50, C.U53, C.U54, C.U55	practical classes, work placement, lecture and conversational lecture, activating methods: exercises, chat, conversation, problem method, group work, brainstorming, project preparation, self-study	written examination, essay, report, extended observation practical credit
	Dietetics	C.W23, C.W24, C.W25, C.W26, C.W27, C.W28 C.U56, C.U57, C.U58	informative (conventional) lecture, conversational lecture, chat, applied didactic methods searching: case study, exercise, exchange of ideas, report, applied expository methods - demonstration, film	written credit
	Nursing Care Management	C.W29, C.W30, C.W31, C.W32, C.W33, C.W34, C.W35, C.U59, C.U60, C.U61, C.U62, C.U63, C.U76	lectures, information lecture, discussion, case methods, exercises, self-study	written credit, essay, report
	Physical Examinations in Nursing Practice	C.W36, C.W37, C.W38, C.W39, C.W40, C.W41, C.W42, C.W43, C.W44, C.W45 C.U64, C.U65, C.U66, C.U67, C.U68, C.U69, C.U70, C.U71	lectures, tutorials, self-study	written examination, OSCE examination (Objective Structured Clinical Examination)

	Nosocomial Infections	C.W46, C.W47, C.W48, C.U49, C.U72, C.U73, C.U74,	lectures, information lecture, discussion, case methods, exercises, self-study	written credit, extended observation
	Resources and Information System in Healthcare	C.W49, C.W50, C.U40, C.U75		
	Elective Course: Sign Language	C.W51, C.U77	lectures, tutorials, self-study, didactic discussion, learning by doing, simulation methods, computer assisted learning, expository methods: film, demonstration, multimedia presentation	written credit, essay, report
	Elective Course: Telemedicine and E-Health	C.W52, C.W53, C.W54, C.W55, C.U75, C.U78, C.U79, C.U80		
D. Sciences in Specialised Care	Internal Medicine and Internal Medicine Nursing	D.W1- D.W10, D.U1- D.U10, D.U11, D.U15-D.U17, D.U18, D.U20, D.U21, D.U23	lecture, information lecture, problem lecture, practical classes, seminar, chat, description and explanation, demonstration, instruction, description and analysis of a case, practical exercises, literature analysis, project method	written examination, written credit, practical credit
	Surgery, Operating Theatre and Surgical Nursing	D.W1- D.W10, D.W11, D.W12, D.W13, D.W14, D.W15, D.W16, D.W17, D.U1- D.U10, D.U11 D.U12 D.U14, D.U15-D.U17 D.U22 D.U23 D.U24 D.U25 D.U26 D.U27	lecture, tutorials, practical classes, work placement, self-study	

	Paediatrics and Paediatric Nursing	D.W1- D.W10, D.W18, D.W19, D.U1- D.U10, D.U11, D.U12, D.U15-D.U17	lecture, tutorials, practical classes, work placement, self-study	written and oral colloquium, written examination, written pass, practical pass, extended observation
	Obstetrics, Gynaecology and Obstetric and Gynaecological Nursing	D.W1- D.W10, D.W20, D.W21, D.W22, D.U1- D.U10, D.U11, D.U12, D.U13, D.U14, D.U15-D.U17, D.U28	lectures, informative lecture, problem lecture, conversational lecture, self-study: essay, case study, practical classes, work placement	test examination, practical credit
	Geriatrics and Geriatric Nursing	D.W1-D.W10, D.W23, D.W24, D.W25, D.W26, D.W27, B.W28, B.W29 D.U1- D.U10, D.U11, D.U12, D.U14, D.U13, D.U15-D.U17, D.U29, D.U30	lecture, tutorials, practical classes, work placement, self-study, demonstration, high-fidelity simulation, working with a patient under teacher's supervision; expository methods: informative lecture, problem lecture; inquiry methods: problem-based method, observation, project, case study, situational, work in groups, independent study of literature	written examination, written credit, practical credit
	Neurology and Neurological Nursing	D.W1- D.W10, D.W27 D.U1- D.U10, D.U11, D.U12, D.U13, D.U14, D.U15-D.U17	lectures, practical classes, work placement, self-study	written examination, written credit, practical credit
	Psychiatry and Psychiatry Nursing	D.W1-D.W10, D.W28, D.W29, D.W30, D.U1- D.U10, D.U11 D.U12, D.U13, D.U15-D.U17	lectures, practical classes, work placement, self-study, enactment, demonstration, high-fidelity simulation, giving didactic methods: description, story-telling	written examination, written credit, practical credit
	Emergency Medicine and Emergency Nursing	D.W1-D.W10, D.W31, D.W32, D.W33, D.W34, D.W35, D.W36, D.W37 D.U1- D.U10, D.U15-D.U17, D.U19, D.U20, D.U22, D.U23, D.U27, D.U31, D.U32, D.U33, D.U34, D.U35, D.U36, D.U37	lecture, tutorials, brainstorming, case analysis, self-study	written credit

	Anaesthesiology and Nursing in Intensive Care	D.W1-D.W10, D.W38, D.W39, D.W40, D.W41, D.U1- D.U10, D.U11, D.U15-D.U17, D.U27, D.U38, D.U39, D.U40, D.U41, D.U42	lectures, practical classes, work placement, self-study	written credit, practical credit
	Palliative Care	D.W1-D.W10, D.W42 D.U1- D.U10, D.U15-D.U17, D.U12, D.U14, D.U41, D.U42	lecture, informative lecture, problem-based lecture, practical classes, demonstration, case study, didactic games, work placements, self-study	written credit, practical credit
	Long-Term Care Nursing	D.W1- D.W10, D.W43, D.W44, D.W45, D.U1- D.U10, D.U11, D.U12, D.U14, D.U15-D.U17, D.U43, D.U44, D.U45	lectures, practical classes, work placement, self-study, problem lecture, information lecture, conversational, seminar, chat, case study, expository methods: demonstration, instruction, simulation methods	written credit, practical credit
	Basics of Rehabilitation	D.W1-D.W10, D.W46, D.W47 D.U1- D.U10, D.U11, D.U12, D.U13, D.U14, D.U15-D.U17	lecture, practical classes, work placement, self-study, problem-based, informative, conversational lecture, seminar, chat, case analysis, expository methods: demonstration, instruction, simulation methods	written examination, written credit, practical credit
	Scientific Research in Nursing	D.W48, D.W49, D.W50, D.W51, D.W52, D.W53, D.U46, D.U47	informative and problem-based lecture with multimedia presentation, tutorials	written credit
Physical Education	According to the Nursing Preparation Training Standard of 10 October 2024, Physical Education is a compulsory course in full-time studies, taught for no less than 60 hours. ECTS credits are not assigned to these classes.			
Preparation for Diploma Examination				

Work Placement			
Scope of the work placement		1200/46 ECTS	
Form of the work placement		Holiday and intra-year work placement	
Work placement principles		<p>The university implements work placements according to the guidelines of the “2018 Model of Cooperation between a University offering Nursing or Midwifery programmes and medical entities”. The educational process is carried out with the use of infrastructure that allows the achievement of learning outcomes. Work placements are carried out in health care entities with which the university has entered into contracts or agreements, in particular in hospital wards, primary health care practices and long-term and palliative care.</p> <p>Work placements are carried out under the guidance of a person with a license to practice as a nurse who is an employee of the particular health care provider in which the placement is held. The placement is supervised by a practice supervisor from the university.</p> <p>Work placement is carried out under the supervision of mentors (work placement supervisors at a particular facility).</p> <p>Intra-year work placement for full-time first-cycle students takes place in university facilities. The university allows students to do holiday work placement at university institutions.</p> <p>The holiday work placement in the facility selected by the student is conditional on obtaining positive evaluations of the facility and the professional work placement mentor, in accordance with the criteria included in the Facility Selection and Evaluation Sheet for Work Placement Training of the Faculty of Health Sciences students and the Criteria for Selection of Professional Work Placement Mentor. The decision on the possibility of doing a placement there is made by the Head of the unit/ the mentor of the work placement indicated by the Head of the unit in the subject of which the placement is to be carried out. The evaluation sheets of the institution and mentor provided by the student should be legibly completed, signed and stamped. The documentation should be accompanied by the preliminary approval of the representative of the institution for the student's placement at the institution. In the application for permission for individual organization of the work placement, the student should clearly indicate the scope (subject) of the placement, institution, department, supervisor, on the date on which the student will carry out the placement.</p> <p>After receiving the decision of the work placement supervisor/Facility Head, the student submits a letter to the Dean for approval to conclude an agreement, submitting all documentation to the Faculty of Health Sciences Dean's Office. These actions are necessary to complete the formalities for the conclusion of agreements between the university and the institution.</p>	
Detailed indicators of the ECTS points scale			
Scientific or artistic disciplines to which the learning outcomes relate:			
	Scientific or artistic discipline	ECTS points	
		Number	%
1.	Health Sciences	180	100

Groups of courses	Course	No. of ECTS points	No. of ECTS points in the discipline (100%)	No. of ECTS points of course selection	No. of ECTS points which the student achieves through classes held with the direct participation of academic teachers or other instructors	No. of ECTS points which a student earns through: activities related to the academic activity of the institution in the discipline(s) to which the programme of study is assigned/ <u>activities developing practical skills</u>
A. Basic Sciences	Anatomy	3,5	3,5		3,0	1,75
	Physiology	3	3		2,5	1,65
	Pathology	3,5	3,5		3,0	1,60
	Genetics	1,5	1,5		1,3	0,5
	Biochemistry and Biophysics	2	2		1,8	0,5
	Microbiology and Parasitology	2	2		1,8	0,5
	Pharmacology	2,5	2,5		2,0	1,6
	Radiology	2	2		1,8	0,2
B. Social Sciences and Humanities in Nursing	Psychology	1,5	1,5		1,3	0,5
	Sociology	1	1		0,8	0
	Pedagogy	1,5	1,5		1,3	0,5
	Medical Law	1	1		1	0
	Public Health	2	2		2	0,7
	Ethics of the Nursing Profession	1,5	1,5		1,3	0,8
	Cooperation and Communication in an Interprofessional Team	1,5	1,5		1,5	1,2
	English	5	5		4,8	5
C. Sciences in Basic Nursing Care	Basics of Nursing	10	10		10	10
	Health Promotion	3	3		3	3
	Primary Healthcare	4,5	4,5		4,5	4,5
	Dietetics	1	1		0,8	0,8

	Physical Examinations in Nursing Practice	2	2		2	2
	Nursing Care Management	1	1		0,8	0,8
	Nosocomial Infections	0,5	0,5		0,5	0,2
	Information System in Healthcare	0,5	0,5		0,5	-
	Elective Course/ Course Selection: Sign Language or Telemedicine or E-Health	1,5	1,5	1,5	1,5	0,5
D. Sciences in Specialised Care	Paediatrics and Paediatric Nursing	4	4		4	4
	Internal Medicine and Internal Medicine Nursing	4	4		4	4
	Surgery, Operating Theatre and Surgical Nursing	4	4		4	4
	Psychiatry and Psychiatric Nursing	3	3		3	3
	Anaesthesiology and Nursing in Intensive Care	3	3		3	3
	Long-Term Care Nursing	1	1		1	1
	Basics of Rehabilitation	1	1		1	-
	Neurology and Neurological Nursing	2	2		2	2
	Geriatrics and Geriatrics Nursing	2	2		2	2
	Obstetrics, Gynaecology and Obstetric and Gynaecological Nursing	2	2		2	2
	Palliative Care	1	1		1	1
	Emergency Medicine and Emergency Medicine Nursing	1	1		1	1
	Scientific Research in Nursing	1	1		1	0,5
	Diploma Seminar and Diploma Examination	5	5		5	5
Physical Education	Physical Education – obligatory classes with no ECTS points assigned, no less than 60 hours	-	-		-	-
E. Practical Classes	Basics of Nursing	4	4		4	4
	Primary Healthcare	3	3		3	3

	Obstetrics, Gynaecology and Obstetric and Gynaecological Nursing	2	2		2	2
	Paediatrics and Paediatric Nursing	5	5		5	5
	Internal Medicine and Internal Medicine Nursing	4	4		4	4
	Surgery and Surgical Nursing (including operation theatre)	4	4		4	4
	Long-Term Care Nursing	2	2		2	2
	Geriatrics and Geriatrics Nursing	3	3		3	3
	Neurology and Neurological Nursing	3	3		3	3
	Psychiatry and Psychiatrics Nursing	3	3		3	3
	Anaesthesiology and Nursing in Intensive Care	3	3		3	3
	Palliative Medicine	2	2		2	2
	Emergency Medicine and Emergency Medicine Nursing	2	2		2	2
	Health Promotion	1	1		1	1
F. Work Placement	Basics of Nursing	4	4		4	4
	Primary Heathcare	4	4		4	4
	Obstetrics, Gynaecology and Obstetric and Gynaecological Nursing	2	2		2	2
	Paediatrics and Paediatric Nursing	5	5		2	5
	Internal Medicine and Internal Medicine Nursing	4	4		4	4
	Surgery and Surgical Nursing (including operation theatre)	6	6		6	6
	Long-Term Care Nursing	2	2		2	2
	Geriatrics and Geriatrics Nursing	3	3		3	3
	Neurology and Neurological Nursing	3	3		3	3

	Psychiatry and Psychiatric Nursing	3	3		3	3
	Anaesthesiology and Nursing in Intensive Care	3	3		3	3
	Palliative Medicine	2	2		2	2
	Emergency Medicine and Emergency Medicine Nursing	2	2		2	2
	Work placement selected by the student	3	3		3	3
Diploma Examination	In group D	-	-	-	-	-
TOTAL:		180	180	1,5	172,8	158,3
		100%	100%	0,83%	96%	87,94%

Groups of courses	Course	Programme content
(A) Basic Sciences	Anatomy	The purpose of the course is to familiarize students with the topography of organs and systems of the human body as well as to acquire the ability to use anatomical knowledge in professional practice.
	Biochemistry and Biophysics: Biochemistry	The task of the course is to explain the mechanisms of normal functioning of the body at the molecular level, as well as the causes of pathological changes underlying human diseases. Biochemistry is closely related to other biomedical sciences. The goal of Biophysics education is to prepare students to interpret and understand knowledge of the biophysical properties of the body as well as the principles of medical apparatus for diagnostic and therapeutic purposes in health care.
	Pharmacology	The Pharmacology course deals with the therapeutic effect of drugs, the indication for its use, possible side effects and contraindications to the use of individual groups of drugs. During the course, individual groups of drugs are discussed with regard to the above aspects.
	Physiology	The purpose of the course is to learn about the mechanisms that enable the normal functioning of the human body, to create the ability to associate processes and think about individual organs and systems as elements of the whole body, as well as to learn about the mechanisms that enable the integration of the activities of individual organs. The teaching of Physiology is also aimed at learning about the adaptability of the human body, healthy and sick, to the natural stresses of everyday life and to extreme conditions.
	Genetics	The aim of the course is to impart knowledge on the basics of genetics - (basic genetic concepts, mechanisms of inheritance), acquire knowledge of the molecular aspects of the inheritance of traits and diseases, acquire the ability to identify selected chromosomal aberrations and genetic diseases and to explain the molecular basis of their formation.
	Microbiology and Parasitology	The primary purpose of teaching the Microbiology and Parasitology course is - in the Microbiology part - to prepare students for the study of courses in the area of medical science. Knowledge of microorganisms that constitute the human physiological microbiota and potentially pathogenic microorganisms makes it possible to predict the pathways and consequences of the spread of infections. The student has basic

		<p>knowledge of microorganisms, prevention of infections, collection and preservation of material for microbiological studies.</p> <p>The Parasitology course is designed to familiarize the nursing student with the biology, occurrence, developmental cycle, invasion pathways of the most common human parasites, which can be infected in the country, as well as abroad. Clinical conditions in which parasite infection should be suspected, symptoms caused by the various types of parasites, diagnostic management and principles of treatment will be presented. Issues related to the work of the nurse will be particularly emphasized, that is, methods of safe collection of material, its transport, principles of selection of tests and diagnostic material.</p>
	Pathology	The purpose of the course is to teach students to explain the mechanisms of disorders of the body's functions in various pathological states, i.e. detailed pathophysiology of cells, systems and organs, disorders of the body's adaptive functions, disorders of the body's regulation, disorders of metabolism and pathophysiology of cancer. Pathomorphology's covers lesions of cells, tissues and organs.
	Radiology	The main purpose of the course's teaching is to familiarize students with the theoretical basis and practical application of imaging tests.
(B) Social Sciences and Humanities in Nursing	English/Foreign Language	Specialized Foreign Language (English) is aimed at teaching specialized English for nursing. The course aims to teach students to operate the lexis and phraseology of English for nursing in contact with patients, doctors and students at home and abroad. The course emphasizes the ability to use specialized English for nursing in speech and writing at the B2 level.
	Pedagogy	The purpose of the course is to prepare students for educational work with patients and their families.
	Medical Law	Overview of the basis of the laws and legal conditions of the nursing profession (rights, duties, rules of professional responsibility).
	Psychology	Presentation of basic concepts and theories in psychology; discussion of psychological mechanisms underlying behaviour.
	Sociology	The course discusses basic concepts, theories and sociological approaches. Group mechanisms and processes are presented, as well as aspects of social perception. Numerous factors involved in the formation of attitudes are analyzed, with particular emphasis on those that are the basis of discrimination. The importance of communication skills for the realization of women's psychological and social needs is presented, as well as ways to reduce tension and anxiety.
	Public Health	The purpose of the course is to familiarize students with the basic concepts and principles of preventive health care activities and to shape the ability to recognize the state of health risk, the ability to interpret the results of the study of environmental factors.
	Ethics of Nursing Profession	The purpose of the course is to show contemporary ethical problems and dilemmas related to nursing, the development of medical techniques and cultural changes in the 21st century, as well as the formation of moral sensitivity for resolving difficult ethical dilemmas related to the nursing profession.
	Cooperation and Communication in Interprofessional Team	New subject; its aim is to learn cooperation and the principles of proper communication in the therapeutic team.

(C) Sciences in Specialised Care	Physical Examinations in Nursing Practice	The course deals with the ability to assess a patient's condition through the use of physical and subject examination techniques.
	Dietetics	The course is designed to familiarize students with the basic issues related to nutrition of healthy and sick people. In the course, basic nutrients and their metabolism in the human body will be discussed. Students will be introduced to therapeutic diets used in selected disease entities. Students will learn tools for assessing the nutritional status of humans and methods of management in counteracting malnutrition and obesity.
	Nosocomial Infections	Classes aim to define and situate the contemporary knowledge of hospital infections in health care by introducing students to the basic principles of hospital infection prevention. The process of monitoring hospital infections based on current legislation and guidelines of accreditation centres will also be discussed.
	Basics of Nursing	Aims: to introduce the theoretical foundations of nursing and nursing care, present the scope and nature of nursing care/assistance in relation to selected patient conditions, familiarize with the principles of performing professional nursing activities, form selected skills of performing caring, diagnostic, therapeutic and improvement procedures.
	Course Selection: Sign Language or Telemedicine and E-Health	The Sign Language course is designed to teach the student sign language to the extent of communicating with a deaf patient. The Telemedicine and E-Health course is designed to familiarize the student with distance techniques/information systems used in the work of a nurse.
	Health Promotion	The course provides knowledge in the field of broadly understood health promotion, takes into account activities in the area of prevention and health education. The course takes into account the tasks of modern nursing in the formation of healthy lifestyles of both individuals and social groups.
	Resources and Information System in Healthcare	The purpose of the course is to familiarize students with the basic theoretical issues and practical aspects of the health care information system.
	Nursing Care Management	The purpose of the course is to familiarize the student with the specifics of the nursing workstation, the scope of duties, powers and responsibilities, taking into account the principles of ergonomics as well as to prepare the student to organize their own workstation and to provide students with knowledge and conceptual, technical and psychosocial skills useful in the work of a nurse as a member and leader of a team.
(D) Sciences in Specialised Care	Nursing in Primary Healthcare	The contents of the course will prepare the student to carry out the nursing process in various environments, diagnose and solve health problems in family, work and local environments, implement health promotion and prevention programs for selected groups, and provide counseling on health and problems arising from various situations related to illness and disability.
	Internal Diseases and Internal Diseases Nursing	Internal medicine nursing classes are designed to prepare future nurses, both theoretically and practically, to provide care to patients with common internal medicine conditions.
	Surgery, Operating Theatre and Surgical Nursing	The implementation of the course aims to prepare the student to provide nursing care to patients treated in surgical wards and nursing procedures in the structures of the operating theatre.

Paediatric and Paediatric Nursing	The Paediatric Nursing course is designed to familiarize and prepare students to master theoretical and practical knowledge of the specifics of pediatric care of the child in selected pathological conditions, provide students with knowledge of the objectives and principles of specialized pediatric care based on current recommendations, standards and procedures, acquire skills in performing nursing, diagnostic, therapeutic, rehabilitative and preventive procedures in pediatric care, skillfully communicate with the child and his/her parents in order to gather information to identify health problems to the extent of rational planning and implementation of the nursing process for the child, while adhering to the principles of the code of professional ethics.
Emergency Medicine and Emergency Medicine Nursing	The purpose of the Emergency Medicine course is to teach future nurses to perform an independent profession, recognize life-threatening conditions and implement rescue procedures appropriate to the patient's condition.
Long-Term Care Nursing	The aim of the course is familiarize the student with the problems of care and prepare for independent nursing of people with chronic diseases, disabilities of different ages in accordance with current standards in the long-term care system.
Obstetrics, Gynaecology and Obstetric and Gynaecology Nursing	The course aims to familiarize students with the standards of obstetric management in accordance with the law in the care of a woman in the perinatal period with obstetric and non-obstetric diseases, as well as the principles of application of preventive, diagnostic, nursing and treatment and rehabilitation activities performed by a midwife in various obstetric situations, including life-threatening conditions. The purpose of the course is to familiarize students with the current knowledge of a woman's gynecological health at all stages of her life, with particular emphasis on the role of the nurse/midwife in the prevention, diagnosis and treatment of disorders of the genital organs and breasts.
Basics of Rehabilitation	The purpose of the Basics of Rehabilitation course is to prepare students theoretically to provide proper care, improvement and activation to patients with disabilities.
Geriatrics and Geriatric Nursing	The aim of the course is to learn about the physiological and pathological aspects of human aging and the clinical problems of old age. With the development of Geriatrics, Geriatric Nursing was distinguished, which deals with specialized nursing care of the patient in older age.
Psychiatry and Psychiatric Nursing	The course allows the student to acquire the knowledge, skills necessary to care for a patient with mental disorders. The student acquires or establishes social competence and attitudes towards a person with mental problems.
Neurology and Neurological Nursing	Neurology and Neurological Nursing is a course focusing on clinical issues of patients with diseases of the nervous system treated conservatively and surgically (neurosurgical procedures) and issues of bio-psycho-social problems of patients with diseases of the nervous system treated conservatively and surgically (neurosurgical procedures). The prerequisite for recognizing and solving the problems of neurological patients (making a correct nursing diagnosis) is the nurses' knowledge of nursing theory, the nursing process, the basics of neuroanatomy and neurophysiology, the pathomechanism and symptomatology of diseases of the nervous system and methods of clinical treatment of these diseases. Neurological Nursing is a course that focuses

		on issues related to biopsychosocial problems of patients with diseases of the nervous system treated conservatively and surgically (neurosurgical procedures).
	Anaesthesiology and Intensive Care Nursing	The aim of the course is to prepare the student to care for anaesthetized and critical care patients in the intensive care unit, to prepare the student to perform basic emergency procedures.
	Scientific Research Nursing	The student will: learn basic scientific research in nursing and related fields, use independently, critically and using specialized literature, scientific studies, and will be prepared to carry out a research project in accordance with the research procedure.
	Preparation for Diploma Examination	The course is aimed at organizing, recalling a summary of the knowledge acquired so far, mainly based on self-study and classes at the Centre for Medical Simulation.
	Palliative Care	Palliative Care is the active comprehensive, holistic care of patients with advanced, incurable, progressive disease. The essence of palliative care is symptomatic management. The most common symptoms are pain, shortness of breath, constipation, bleeding, skin lesions, and oral conditions. The provision of psychological, social and spiritual support (multispecialty assistance) is also important for holistic care. The main goal of care is to achieve the best possible quality of life for patients and also for families, caregivers. During the course, students use the knowledge acquired in anatomy, physiology, pathology, pharmacology, clinical and nursing courses completed so far. Previously acquired knowledge is deepened and expanded to include symptomatic management.
In addition	Library Orientation	
	OHS Training	
	Physical Education	

Study programme – part A) i B) is valid from the winter semester of the academic year 2025/2026.