

Unit offering the course		College of Applied Sciences, WSG Branch in Toruń, College of Applied Sciences, WSG Branch in Chojnice, College of Applied Sciences, WSG Branch in Działdowo
Name of the degree programme		Nursing
Recruitment		2025/2026
Level of studies		Bachelor's degree programmes
Level of the Polish Qualifications Framework		PRK level 6
Study profile		Practical
Professional title obtained by the graduate		Bachelor's degree
Field of science		Medical sciences and health sciences
Assigning the field of study to the academic discipline to which the learning outcomes relate		Field:
		Medical sciences and health sciences
		Disciplines: Health sciences (94%) Medical sciences (6%)
Symbol	Upon completion of the programme, graduates will have achieved the following learning outcomes:	
	Reference to first-level PRK codes for the field of medical sciences, health sciences and physical culture sciences at level 6	

KNOWLEDGE (know and understand)		
A_W01	the structure of the human body in a topographical approach (upper and lower limbs, chest, abdomen, pelvis, back, neck, head) and functional (musculoskeletal system, muscular system, circulatory system, haematopoietic system, respiratory system, digestive system, urinary system, male and female reproductive systems, nervous system, sensory organs, integumentary system);	P6SM_WG01
A_W02	neurohormonal regulation of physiological and electrophysiological processes occurring in the human body;	P6SM_WG02
A_W03	physiology of individual systems and organs of the human body: the musculoskeletal system - musculoskeletal system, circulatory system, haematopoietic system, respiratory system, digestive system, urinary system, male and female reproductive systems, nervous system, endocrine system, immune system, sensory organs and integumentary system;	P6SM_WG03

A_W04	the role of the human body's systems and organs in maintaining homeostasis, and changes in the functioning of the human body as a whole in the event of a disturbance in homeostasis;	P6SM_WG04
A_W05	the basics of control systems and the role of positive and negative feedback in maintaining homeostasis;	P6SM_WG05
A_W06	innate and acquired immune mechanisms, humoral and cellular;	P6SM_WG06
A_W07	basic concepts in the field of human pathology;	P6SM_WG07
A_W08	external and internal pathogenic factors, modifiable and non-modifiable, and their impact on the human body;	P6SM_WG08
A_W09	issues related to specific pathologies of the human body systems: musculoskeletal system, circulatory system, haematopoietic system, respiratory system, digestive system, urinary system, male and female reproductive systems, nervous system, endocrine system, immune system, as well as metabolic disorders, water-electrolyte balance and acid-base balance;	P6SM_WG09
A_W10	basics of immune system disorders: allergies, autoimmune diseases, cancer immunology;	P6SM_WG10
A_W11	genetic determinants of human blood groups and serological conflict in the Rh system;	P6SM_WG11
A_W12	issues related to genetically determined diseases;	P6SM_WG12
A_W13	the structure of chromosomes and the molecular basis of mutagenesis;	P6SM_WG13
A_W14	the principles of inheritance of different numbers of traits, inheritance of quantitative traits, independent inheritance of traits, and inheritance of extra-nuclear genetic information;	P6SM_WG14
A_W15	modern genetic testing techniques;	P6SM_WG15
A_W16	the physicochemical basis of the functioning of the senses using physical information carriers (sound and electromagnetic waves);	P6SM_WG16
A_W17	regulatory mechanisms and biophysical basis of metabolism in the human body;	P6SM_WG17
A_W18	the role of vitamins, amino acids, nucleosides, monosaccharides, carboxylic acids and their derivatives, which are components of macromolecules present in cells, the extracellular matrix and body fluids;	P6SM_WG18
A_W19	the impact of external factors such as temperature, gravity, pressure, electromagnetic fields and ionising radiation, including radon present in the environment, on the human body;	P6SM_WG19
A_W20	basic concepts in microbiology and parasitology, and methods used in microbiological diagnostics;	P6SM_WG20
A_W21	classification of microorganisms, including pathogenic microorganisms and those present in the human physiological microbiota;	P6SM_WG21
A_W22	individual groups of medicinal products, their main mechanisms of action, the changes they cause in the human body, and their side effects;	P6SM_WG22
A_W23	basic principles of pharmacotherapy;	P6SM_WG23
A_W24	individual groups of medicines, active substances contained in medicines, use of medicines, and forms and routes of administration;	P6SM_WG24

A_W25	the impact of disease processes on metabolism and drug elimination;	P6SM_WG25
A_W26	adverse drug reactions, including those resulting from drug interactions, and the procedure for reporting adverse drug reactions;	P6SM_WG26
A_W27	rules for issuing prescriptions as part of the implementation of medical orders;	P6SM_WG27
A_W28	principles of treatment with blood, its components and blood substitutes;	P6SM_WG28
A_W29	imaging methods and principles for performing imaging using these methods, as well as principles of radiation protection.	P6SM_WG29
B_W01	psychological foundations of human development, normal and abnormal behaviour;	P6SM_WK01
B_W02	issues related to human-social environment relations, adaptive behaviours and mechanisms of human functioning in difficult situations;	P6SM_WK02
B_W03	principles of diagnosing, planning, implementing and evaluating patient care in internal medicine, surgical, operating theatre, paediatric, obstetrics and gynaecology, geriatric, neurological, psychiatric nursing, in hospital emergency departments, intensive care, palliative care and long-term care, as well as care for patients with cancer;	P6SM_WK03
B_W04	stages of human mental development and regularities occurring at particular stages of this development;	P6SM_WK04
B_W05	concepts of emotion, motivation, temperament and personality, characteristics of a healthy personality, personality disorders;	P6SM_WK05
B_W06	the essence, structure and phenomena occurring in the process of information transfer and exchange, as well as models, styles and barriers in interpersonal communication;	P6SM_WK06
B_W07	theories of psychological stress, the relationship between stress and health, and other psychological determinants of health;	P6SM_WK07
B_W08	salutogenic and pathogenic approaches to health and illness;	P6SM_WK08
B_W09	processes of human adaptation to living with a chronic illness or one with a poor prognosis, and the determinants of these processes;	P6SM_WK09
B_W10	the importance of social and psychological support in health and illness and in special situations in healthcare;	P6SM_WK10
B_W11	techniques for coping with stress, reducing anxiety, relaxation methods, and the mechanisms of burnout syndrome and how to prevent it;	P6SM_WK11
B_W12	concepts and principles of the functioning of the family, group, organisation, institution, population, community and ecosystem;	P6SM_WK12
B_W13	selected areas of cultural and religious distinctiveness;	P6SM_WK13
B_W14	the scope of social interaction and the socialisation process, as well as the functioning of local communities and the ecosystem;	P6SM_WK14
B_W15	the concepts of deviance and disorder, with particular emphasis on childhood pathology;	P6SM_WK15
B_W16	the phenomenon of social, cultural, ethnic discrimination as well as discrimination based on gender and age;	P6SM_WK16

B_W17	current and projected social changes affecting the functioning of the healthcare system and the conditions for practicing the nursing profession;	P6SM_WK17
B_W18	social attitudes towards health and the healthcare system;	P6SM_WK18
B_W19	basic concepts and issues in the field of pedagogy as an applied science and the process of education in the aspect of the social phenomenon of illness, healing, hospitalization and dying;	P6SM_WK19
B_W20	issues of conducting health education;	P6SM_WK20
B_W21	methodology of health education for children, youth, adults and elderly people;	P6SM_WK21
B_W22	basic concepts in the field of law and the role of law in the functioning of society, with particular emphasis on human rights and labor law;	P6SM_WK22
B_W23	basic legal regulations in the field of the healthcare system, including health insurance, applicable in the Republic of Poland;	P6SM_WK23
B_W24	legal basis for practicing the nursing profession, including the rights and obligations of nurses and legal forms of practicing the nursing profession, organization and tasks of the professional self-government of nurses and midwives, and the rights and obligations of its members;	P6SM_WK24
B_W25	principles of employee, professional, civil and criminal liability related to practicing the nursing profession, taking into account adverse events, professional misconduct and medical errors;	P6SM_WK25
B_W26	human rights, children's rights and patient rights;	P6SM_WK26
B_W27	concept of public health and tasks in the field of public health;	P6SM_WK27
B_W28	cultural, social and economic determinants of public health;	P6SM_WK28
B_W29	basic concepts concerning health and disease;	P6SM_WG30
B_W30	essence of disease prevention and prophylaxis;	P6SM_WK29
B_W31	principles of functioning of healthcare systems in the Republic of Poland and selected European Union member states and conditions for access to health services;	P6SM_WK30
B_W32	specific health threats occurring in the environment of residence, teaching and upbringing, and work;	P6SM_WK31
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;	P6SM_WK32
B_W34	subject of general and professional ethics of nurses;	P6SM_WK33
B_W35	essence of ethical decision-making and principles of resolving moral dilemmas in nursing work;	P6SM_WK34
B_W36	issues of normative ethics, including values, duties and moral virtues important in nursing work;	P6SM_WK35
B_W37	cultural and religious differences and the resulting needs of patients, their families or caregivers, and principles of nursing interventions in accordance with professional ethics;	P6SM_WK36
B_W38	Code of Ethics for Nurses of the International Council of Nurses (ICN) and the Code of Professional Ethics for Nurses and Midwives of the Republic of Poland;	P6SM_WK37
B_W39	priorities of teamwork and factors affecting team effectiveness;	P6SM_WK38

B_W40	significance of team member motivation for the quality and effectiveness of teamwork;	P6SM_WK39
B_W41	role of leadership and management styles in teamwork and their advantages and disadvantages;	P6SM_WK40
B_W42	decision-making process in a team;	P6SM_WK41
B_W43	methods of team self-assessment;	P6SM_WK42
B_W44	factors disrupting teamwork and methods of resolving conflicts in a team;	P6SM_WK43
B_W45	principles of effective communication in interprofessional teams;	P6SM_WK44
B_W46	principles of establishing contact with the patient, their family or caregiver, building relationships and conveying information to the patient or authorized person, and methods improving communication with the patient, their family or caregiver;	P6SM_WK45
B_W47	principles of communicating with culturally different patients and patients of different sexual orientation, visually impaired and blind patients, and hearing impaired and deaf patients;	P6SM_WK46
B_W48	significance of the patient's perspective in nursing care, motivating the patient to follow recommendations and maintain a pro-health lifestyle;	P6SM_WK47
B_W49	methods of showing empathy to the patient, their family or caregiver;	P6SM_WK48
B_W50	principles of conduct and coping in cases of mobbing, discrimination and other pathological behaviors in the work environment.	P6SM_WK49
C_W01	determinants of nursing development against the background of nursing care transformation and professionalization of modern nursing;	P6SM_WK50
C_W02	concept of nursing, including support, assistance and accompaniment, and the role of the patient in implementing nursing care;	P6SM_WK51
C_W03	definition of the nursing profession according to the International Council of Nurses (ICN), professional functions and tasks of a nurse according to the World Health Organization (WHO);	P6SM_WK52
C_W04	nursing process (definition, stages, principles) and work organization methods, including primary nursing, its essence and distinctiveness, taking into account their impact on the quality of nursing care and the development of nursing practice;	P6SM_WK53
C_W05	classifications of nursing practice (International Classification for Nursing Practice, ICNP, and International Classification of Nursing Diagnoses according to NANDA - North American Nursing Diagnosis Association);	P6SM_WK54
C_W06	essence of nursing care based on selected theoretical assumptions (Florence Nightingale, Virginia Henderson, Dorothea Orem, Callista Roy, Betty Neuman);	P6SM_WK55
C_W07	essence, purpose, indications, contraindications, complications, dangers, applicable principles and technique of performing basic nursing activities within preventive, diagnostic, therapeutic and rehabilitation services in accordance with applicable guidelines;	P6SM_WK56
C_W08	tasks of a nurse in caring for a healthy patient, a patient at risk of disease and a sick patient, including those with unfavorable prognosis;	P6SM_WK57

C_W09	scope and nature of nursing care in case of self-care deficit, disturbed comfort and disturbed psychomotor sphere of the patient;	P6SM_WK58
C_W10	scope of nursing care and nursing interventions in selected nursing diagnoses;	P6SM_WK59
C_W11	participation of a nurse in an interprofessional team in the process of health promotion, prevention, diagnosis, treatment and rehabilitation;	P6SM_WK60
C_W12	principles of providing assistance in states of health threat;	P6SM_WK61
C_W13	concepts and assumptions of health promotion and health prevention;	P6SM_WK62
C_W14	tasks of a nurse in health promotion and principles of constructing health promotion programs;	P6SM_WK63
C_W15	health promotion strategies at local, national and global levels;	P6SM_WK64
C_W16	organization and functioning of primary health care in the Republic of Poland and other countries, taking into account the tasks and professional rights of nurses and other healthcare system workers;	P6SM_WK65
C_W17	conditions for implementation and principles of financing nursing services in primary health care;	P6SM_WK66
C_W18	methods of assessing the environment of residence, teaching and upbringing in terms of recognizing health problems and planning care;	P6SM_WK67
C_W19	principles of coordinating the process of providing health services in primary health care;	P6SM_WK68
C_W20	protective vaccinations and types of vaccines resulting from the current protective vaccination program in the Republic of Poland and their action;	P6SM_WK69
C_W21	standards for conducting qualification examinations for protective vaccinations against influenza, viral hepatitis, tetanus, COVID-19 and performing protective vaccinations against influenza, viral hepatitis, tetanus, COVID-19, pneumococcus, rabies and other mandatory and recommended protective vaccinations in accordance with legal regulations on protective vaccinations, ensuring safety principles for the patient and oneself;	P6SM_WK70
C_W22	procedures used in the event of an adverse event following immunization (AEFI) and principles of reporting in the field of protective vaccinations;	P6SM_WK71
C_W23	energy, nutrient and water requirements in healthy and sick people of different ages and health conditions;	P6SM_WK72
C_W24	principles of nutrition for healthy and sick people of different ages, enteral and parenteral nutrition, and basics of nutritional education;	P6SM_WK73
C_W25	classification and types of diets;	P6SM_WK74
C_W26	principles of assessing nutritional status and causes and types of malnutrition;	P6SM_WK75
C_W27	basics of diet therapy in the most common diet-dependent diseases in children and adults;	P6SM_WK76
C_W28	food products for special nutritional purposes;	P6SM_WK77
C_W29	concepts of workplace, scope of duties, rights and responsibilities at nursing workplaces;	P6SM_WK78

C_W30	legal regulations concerning working time, shift work, working time distribution and workload at nursing workplaces;	P6SM_WK79
C_W31	basic methods of organizing nursing care and their significance for ensuring the quality of this care;	P6SM_WK80
C_W32	basics of management, stages of planning one's own work and subordinate personnel;	P6SM_WK81
C_W33	scope of professional qualifications and qualifications in nursing, possibilities of career planning and determinants of one's own professional development;	P6SM_WK82
C_W34	determinants of ensuring the quality of nursing care and principles of managing the quality of this care;	P6SM_WK83
C_W35	principles of creating and developing various forms of professional activity of nurses;	P6SM_WK84
C_W36	concept, principles and method of subjective examination and its documentation;	P6SM_WG31 P6SM_WK85
C_W37	system of describing symptoms and complaints of the patient according to OLD CART (Onset - symptoms/complaints, Location - location, Duration - duration, Character - character, Aggravating/Alleviating factors - aggravating/alleviating factors, Radiation - radiation, Timing - moment of occurrence), FIFE (Feelings - feelings, Ideas - ideas, Function - function, Expectations - expectations), SAMPLE (Symptoms - symptoms, Allergies - allergies, Medications - medications, Past medical history - past diseases/medical history, Last meal - last meal, Events prior to injury/illness - events before accident/illness) schemes;	P6SM_WG32 P6SM_WK86
C_W38	system of describing the patient's health status assessment for the needs of nursing care using PES (Problem - problem, Etiology - etiology, Symptom - symptom);	P6SM_WG33 P6SM_WK87
C_W39	significance of cultural and social conditions in health status assessment;	P6SM_WK88
C_W40	methods and techniques of comprehensive physical examination and its documentation;	P6SM_WG34 P6SM_WK89
C_W41	principles of preparing the patient for ECG examination and technique of performing ECG examination, right ventricular ECG and ECG with additional leads;	P6SM_WK90
C_W42	principles of recognizing in ECG recording P, Q, R, S, T, U waves, features of normal recording and features of basic disorders (heart rhythm disorders, conduction disorders, electrolyte disturbances, myocardial ischemia and necrosis);	P6SM_WK91
C_W43	type of equipment and method of its preparation for performing spirometry and principles of performing this examination;	P6SM_WK92
C_W44	significance of subjective examination results and physical examination results in formulating the patient's health status assessment for the needs of nursing care;	P6SM_WG35 P6SM_WK93
C_W45	methods of conducting subjective examination and physical examination by a nurse using teleinformation systems or communication systems, and methods of collecting data on the patient's health status using digital technologies;	P6SM_WG36 P6SM_WK94
C_W46	concept of healthcare-associated infections, their sources, hospital infection pathogens, their reservoirs, routes of spread and epidemic chain;	P6SM_WK95

C_W47	organization of infection control in a medical facility and methods of infection control, taking into account the role of an epidemiological nurse;	P6SM_WK96
C_W48	principles of prevention and mechanism and methods of proceeding in catheter-related bloodstream infection, hospital-acquired pneumonia, urinary tract infection, gastrointestinal infection of Clostridioides difficile etiology, surgical site infection, chronic wound infection and systemic infection, and principles of aseptic and antiseptic procedures in preventing hospital infections;	P6SM_WK97
C_W49	principles of construction and functioning of the Medical Information System (SIM), specialized teleinformation systems and medical registers, as well as principles of their cooperation;	P6SM_WK98
C_W50	methods, tools and techniques for data acquisition and their use in the professional practice of nurses;	P6SM_WK99
C_W51	basics of sign language, dactylographic and ideographic signs, to the extent necessary to collect information about the patient's health situation;	P6SM_WK100
C_W52	telemedicine and e-health systems and their importance for improving the provision of health services, including nursing services;	P6SM_WK101
C_W53	types of telemedicine systems, taking into account the division into synchronous and asynchronous systems;	P6SM_WK102
C_W54	technical tools used in telemedicine and e-health systems;	P6SM_WK103
C_W55	scope and principles of nurse participation in providing health services using telemedicine and e-health systems.	P6SM_WK104
D_W01	risk factors and health threats in patients of different ages;	P6SM_WG37 P6SM_WK105
D_W02	etiopathogenesis, clinical symptoms, course, treatment, prognosis and principles of nursing care for patients with selected diseases, including oncological diseases;	P6SM_WG38 P6SM_WK106
D_W03	Types of diagnostic tests, their clinical significance and principles of ordering them, as well as the professional competencies of nurses in issuing referrals for diagnostic tests in specific clinical conditions;	P6SM_WG39
D_W04	Principles of preparing patients of different ages and health conditions for tests and diagnostic procedures, as well as principles of care during and after these tests and procedures;	P6SM_WK107
D_W05	Principles and scope of pharmacotherapy in specific clinical conditions;	P6SM_WK108
D_W06	Properties of drug groups and their effects on the systems and organs of the patient's body in various diseases depending on age and health condition, including adverse effects, interactions with other drugs and routes of administration;	P6SM_WG40
D_W07	Principles of organizing specialized care (internal medicine, surgical, operating theatre, pediatric, geriatric, neurological, psychiatric, hospital emergency department, intensive care, palliative care and long-term care, as well as care for oncological patients);	P6SM_WK109
D_W08	Nursing standards and procedures used in caring for patients of different ages and health conditions;	P6SM_WK110
D_W09	Reactions of patients of different ages to illness, hospital admission and hospitalization;	P6SM_WK111

D_W10	Methods and techniques of communicating with patients unable to establish and maintain effective communication due to health condition or treatment being applied;	P6SM_WK112
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);	P6SM_WK113
D_W12	Types and principles of using foods for special nutritional purposes in specific clinical conditions;	P6SM_WK114
D_W13	Principles of care for patients with feeding fistulas, particularly percutaneous endoscopic gastrostomy (PEG), gastrostomy, microjejunostomy, excretory fistulas (colostomy, ileostomy, urostomy) and fistulas resulting from complications;	P6SM_WK115
D_W14	Principles of preparing patients for surgery in emergency and elective mode, in day surgery, and principles of care for patients after surgery to prevent early and late complications;	P6SM_WK116
D_W15	Factors increasing perioperative risk;	P6SM_WG41
D_W16	Principles of postoperative patient observation including basic and extended monitoring;	P6SM_WK117
D_W17	Methods and scales for assessing acute pain and sedation level;	P6SM_WK118
D_W18	Pathophysiology, clinical symptoms, course, treatment and prognosis of developmental age diseases: respiratory system diseases, circulatory system diseases, nervous system diseases, urinary system diseases, digestive system diseases, as well as endocrine, metabolic, allergic diseases and blood diseases;	P6SM_WG42
D_W19	Pathophysiology, clinical symptoms of diseases and life-threatening conditions in newborns, including premature infants, and the essence of nursing care in this area;	P6SM_WG43
D_W20	Purpose and principles of preconception care and principles of planning care for women in physiological pregnancy;	P6SM_WK119
D_W21	Stages of labor, principles of conduct in sudden delivery situations and principles of care for women in the postpartum period;	P6SM_WK120
D_W22	Etiopathogenesis of gynecological conditions;	P6SM_WG44 P6SM_WK121
D_W23	The aging process in biological, psychological, social and economic aspects;	P6SM_WG45 P6SM_WK122
D_W24	Pathophysiology, clinical symptoms, course, treatment and prognosis of diseases of old age: dementia syndrome, delirium, depression, gait and balance disorders, malnutrition, osteoporosis, orthostatic hypotension, diseases of the organ of vision and organ of hearing, incontinence and injuries sustained as a result of falls;	P6SM_WG46 P6SM_WK123
D_W25	Tools and scales for comprehensive geriatric assessment and assessment of support for elderly persons and their families or caregivers;	P6SM_WK124
D_W26	Principles of rehabilitation and activation of elderly persons;	P6SM_WK125
D_W27	Methods, techniques and tools for assessing the state of consciousness and alertness;	P6SM_WG47 P6SM_WK126
D_W28	Etiopathogenesis and clinical symptoms of basic mental disorders in children, adolescents and adults, including elderly persons;	P6SM_WG48 P6SM_WK127
D_W29	Possibilities of building therapeutic relationships, using therapeutic communication, elementary psychotherapy and other methods of	P6SM_WK128

	support and therapy for patients with mental disorders (children, adolescents and adults, including elderly persons), taking into account all levels of health services (outpatient, intermediate, hospital and in the patient's living environment);	
D_W30	Principles applicable when using direct coercion;	P6SM_WK129
D_W31	Standards and procedures for conduct in emergency conditions and current guidelines of the Polish Resuscitation Council (PRC) and European Resuscitation Council (ERC);	P6SM_WK130
D_W32	Algorithms for resuscitation procedures in the scope of Basic Life Support (BLS) and Advanced Life Support (ALS) in accordance with PRC and ERC guidelines;	P6SM_WK131
D_W33	Principles of organization and functioning of the State Emergency Medical Services system;	P6SM_WK132
D_W34	Procedures for medical security in mass casualty events, disasters and other special situations, as well as principles for ensuring the safety of persons providing assistance, victims and witnesses of the event;	P6SM_WK133
D_W35	Tasks performed at the nurse's position in a hospital emergency department;	P6SM_WK134
D_W36	Principles of patient admission to a hospital emergency department and medical triage systems applicable in this department;	P6SM_WK135
D_W37	Rescue procedures in a hospital emergency department in acute conditions depending on the disease entity and indications for instrumental airway management using supraglottic methods;	P6SM_WK136
D_W38	Methods of anesthesia and principles of care for patients after anesthesia;	P6SM_WK137
D_W39	Pathophysiology and clinical symptoms of life-threatening diseases (respiratory failure, circulatory failure, nervous system disorders, shock, sepsis);	P6SM_WG49
D_W40	Preventive actions for sleep disorders in patients, including in intensive care, as well as delirium states, their causes and consequences;	P6SM_WK138
D_W41	Principles of preventing complications associated with the use of invasive diagnostic and therapeutic techniques in patients in life-threatening conditions;	P6SM_WK139
D_W42	The dying process, symptoms of approaching death and principles of care in the last hours of life of patients with diseases not amenable to treatment;	P6SM_WK140
D_W43	Organization of health service provision, principles of admission and stay of patients in long-term care facilities;	P6SM_WK141
D_W44	Role and tasks of a long-term care nurse in ensuring comprehensive care and treatment for patients and principles of cooperation with health and social care institutions;	P6SM_WK142
D_W45	Global directions of long-term care development including the use of the latest medical and digital technologies;	P6SM_WK143
D_W46	Basic directions of therapeutic and vocational rehabilitation;	P6SM_WK144
D_W47	Course and methods of rehabilitation procedures in various diseases;	P6SM_WK145
D_W48	Significance of scientific research for nursing practice and development of the nursing profession;	P6SM_WK146
D_W49	Nursing scientific organizations and their role in scientific research;	P6SM_WK147

D_W50	Subject, purpose and area of scientific research and nursing paradigms;	P6SM_WK148
D_W51	Methods and techniques of conducting scientific research in nursing;	P6SM_WK149
D_W52	Principles of ethics in conducting scientific research and basic legal regulations in the field of copyright law and intellectual property protection in the professional activity of nurses;	P6SM_WK150
D_W53	Basic principles of participation of patients and medical personnel in clinical trials.	P6SM_WK151
SKILLS (is able to)		
A_U01	use anatomical terminology in practice and apply knowledge of the topography of human organs;	P6SM_UW01
A_U02	interpret physiological processes, with particular emphasis on neurohormonal regulation of physiological processes;	P6SM_UW02
A_U03	describe changes in the functioning of the human body as a whole in situations where its homeostasis is disturbed;	P6SM_UO01
A_U04	link morphological and functional changes in tissues, organs and systems with clinical symptoms and diagnostic test results and indicate the consequences of developing pathological changes for the human body;	P6SM_UW03
A_U05	assess the risk of a given disease developing based on the principles of heredity and the influence of environmental factors;	P6SM_UW04
A_U06	use genetic disease conditions in disease prevention;	P6SM_UW05
A_U07	participate in the selection of diagnostic methods for specific clinical conditions, using knowledge of biochemistry and biophysics;	P6SM_UW06
A_U08	participate in the prevention of pre-laboratory errors;	P6SM_UW07
A_U09	correctly interpret laboratory test results;	P6SM_UW08
A_U10	recognise the most common pathogenic microorganisms and human parasites based on their structure, physiology, life cycles and the symptoms they cause;	P6SM_UW09
A_U11	plan and perform basic microbiological diagnostic procedures and interpret the results obtained;	P6SM_UW10 P6SM_UO02
A_U12	to assess toxicological risk in specific age groups and in different clinical conditions;	P6SM_UO03
A_U13	use pharmaceutical guides and medicinal product databases;	P6SM_UW11
A_U14	prepare records of prescription medicinal products and foodstuffs for special nutritional purposes prescribed by a doctor;	P6SM_UO04
A_U15	calculate drug doses in accordance with the characteristics of the medicinal product;	P6SM_UO05
A_U16	apply the principles of radiation protection;	P6SM_UO06
B_U01	recognise normal, disturbed and pathological behaviour;	P6SM_UW12
B_U02	recognise disorders in human social functioning and assess the process of human adaptation in various contexts of health and illness, as well as indicate the role of social and psychological support in caring for healthy and ill people;	P6SM_UW13
B_U03	assess the relationship between illness and hospitalisation and a person's physical and mental condition;	P6SM_UW14
B_U04	assess human functioning in difficult situations such as stress, frustration, conflict, trauma, grief, physical violence, sexual violence, introduce basic forms of psychological assistance and provide information	P6SM_UW15

	about specialist forms of assistance;	
B_U05	identify errors and barriers in the communication process in difficult situations, demonstrate active listening skills, and create conditions for effective communication with patients and members of the interprofessional team;	P6SM_UK01
B_U06	use verbal and non-verbal communication techniques in nursing practice;	P6SM_UK02
B_U07	identify and apply appropriate anxiety reduction techniques and relaxation methods;	P6SM_UO07
B_U08	use techniques to prevent burnout syndrome and develop personal resources to cope with burnout syndrome;	P6SM_UO08
B_U09	use techniques for coping with difficult situations in the professional work of a nurse, such as a patient's serious illness, death, medical error, physical and psychological violence;	P6SM_UO09
B_U10	propose measures to prevent discrimination, racism and dysfunctionality in various social groups based on the principles of humanism;	P6SM_UO10
B_U11	diagnose factors affecting the health situation of individuals within the family and local community;	P6SM_UW16
B_U12	identify educational needs among groups of nursing service recipients;	P6SM_UW17
B_U13	develop educational programmes on health promotion activities for various groups of nursing service recipients;	P6SM_UK03
B_U14	stosować przepisy prawa dotyczące realizacji praktyki zawodowej pielęgniarstwa oraz praw pacjenta i zasad bezpieczeństwa;	P6SM_UO11
B_U15	apply the legal provisions concerning the practice of nursing and patient rights and safety rules;	P6SM_UW18
B_U16	analyse the functioning of healthcare systems in the Republic of Poland and selected European Union Member States;	P6SM_UW19
B_U17	apply international statistical classifications, including those for diseases and health problems (ICD-10), functioning, disability and health (ICF) and medical procedures;;	P6SM_UO12
B_U18	resolve ethical and moral dilemmas encountered in the professional practice of nursing;	P6SM_UO13 P6SM_UW20
B_U19	recognise the needs of patients, their families or carers in terms of cultural and religious differences and take action in accordance with the principles of professional nursing ethics;	P6SM_UO14
B_U20	use selected models for organising your own and your team's work, plan the team's work and motivate team members to work;	P6SM_UO15
B_U21	identify factors that disrupt teamwork and suggest ways to increase teamwork effectiveness;	P6SM_UK04
B_U22	suggest ways of solving problems presented by team members;	P6SM_UO16
B_U23	apply the principles of proper and effective communication with members of the interprofessional team;	P6SM_UO17
B_U24	use medical literature in English, and in the case of education conducted in English – medical literature in another foreign language;	P6SM_UO18
B_U25	communicate in English, and in the case of education conducted in English – in another foreign language.	P6SM_UK05
C_U01	apply a selected nursing method in patient care;	P6SM_UO19

C_U02	collect information through interview, observation, measurements, physical examination and documentation analysis in order to recognize the patient's health status, as well as interpret and document the obtained results for the needs of nursing diagnosis;	P6SM_UW21
C_U03	establish a nursing care plan and implement it together with the patient, their family or caregiver;	P6SM_UO20
C_U04	monitor the patient's health status during their stay in a hospital or other organizational units of the healthcare system;	P6SM_UW22
C_U05	perform initial, current and final assessment of the patient's health status (condition, problems, needs) and evaluation of undertaken nursing interventions;	P6SM_UW23
C_U06	perform blood glucose and ketone body measurements using a glucometer, glucose and ketone body measurements in urine using diagnostic strips, cholesterol measurement in blood, and perform other strip tests;	P6SM_UW24
C_U07	perform hygienic hand washing and disinfection procedures, put on and remove disposable medical gloves, put on surgical clothing, apply aseptic and antiseptic principles, handle medical waste, and use personal protective equipment and post-exposure procedures;	P6SM_UW25
C_U08	prepare tools and medical equipment for implementing procedures and check the effectiveness of sterilization;	P6SM_UW26
C_U09	conduct, document and evaluate the patient's fluid balance;	P6SM_UW27
C_U10	perform measurements in patients of different ages: body temperature, pulse, respiration, blood pressure, central venous pressure, saturation, peak expiratory flow, and anthropometric measurements (body weight, height or body length, circumferences: head, chest, waist, Body Mass Index (BMI), fat tissue distribution indices: waist to hip ratio (WHR), waist to height ratio (WHtR), skin-fat fold thickness, abdominal and limb circumferences) and interpret their results;	P6SM_UW28
C_U11	collect material for laboratory and microbiological tests and assist the physician during diagnostic tests;	P6SM_UW29
C_U12	issue referrals for specific diagnostic tests;	P6SM_UW30
C_U13	apply anti-inflammatory treatments;	P6SM_UW31
C_U14	store and prepare medications in accordance with applicable pharmacotherapy standards and nursing care standards;	P6SM_UW32
C_U15	calculate drug doses, independently administer medications to patients by various routes in accordance with the professional competencies of nurses or written physician's orders, as well as medicinal products from anti-shock life-saving kits, and participate in the procedure of administering botulinum toxin by a physician in medical procedures for treating spasticity;	P6SM_UW33
C_U16	issue prescriptions for medications, including prescription medications, food products for special nutritional purposes and medical devices as part of continuation of treatment within the implementation of physician's orders;	P6SM_UW34 P6SM_UO21
C_U17	participate in blood and blood component transfusions and blood substitute preparations;	P6SM_UO22
C_U18	perform vaccinations against influenza, viral hepatitis, tetanus, COVID-19, pneumococcus, rabies and other mandatory and	P6SM_UW35

	recommended protective vaccinations in accordance with legal regulations;	
C_U19	recognize and classify adverse events following immunization (AEFI) and characterize local and generalized reactions of the body occurring in the patient, and take appropriate action;	P6SM_UW36
C_U20	perform skin tests and allergy tests;	P6SM_UW37
C_U21	perform rinsing of the oral cavity, throat, eye, ear, stomach, bladder, intestinal fistula and wound;	P6SM_UW38
C_U22	insert and remove peripheral vein catheters, including external jugular vein, perform intravenous drip infusions and monitor and care for the peripheral insertion site;	P6SM_UW39
C_U23	select and apply available methods of feeding the patient (orally, through a gastric tube or feeding fistula);	P6SM_UW40
C_U24	move and position the patient using various techniques, methods and equipment, applying patient and personal safety principles;	P6SM_UW41
C_U25	issue orders for medical devices as part of continuation of physician's order;	P6SM_UW42
C_U26	conduct respiratory gymnastics and perform positional drainage, inhalation and airway clearance;	P6SM_UW43
C_U27	provide oxygen to the patient on demand using various methods and participate in oxygen therapy using access to central medical gas installations, oxygen cylinders or oxygen concentrator;	P6SM_UW44
C_U28	perform rubbing, tapping, passive and active exercises;	P6SM_UW45
C_U29	perform hygienic procedures for children and adults, care for skin and its appendages and mucous membranes using pharmacological agents and medical materials, including therapeutic baths;	P6SM_UW46
C_U30	assess the risk of pressure ulcer development and apply preventive measures;	P6SM_UW47
C_U31	perform rectal procedures;	P6SM_UW48
C_U32	care for intestinal and urinary fistulas, including applying principles and techniques of installing and replacing stoma bags and products for fistula care;	P6SM_UW49
C_U33	insert a bladder catheter, monitor diuresis, remove the catheter and provoke micturition;	P6SM_UW50
C_U34	insert a gastric tube, monitor its position and patency, remove it and replace PEG (low-profile balloon gastrostomy);	P6SM_UW51
C_U35	issue orders for food products for special nutritional purposes;	P6SM_UO23
C_U36	select the type and technique of applying bandages and other dressing materials and apply them;	P6SM_UW52
C_U37	put on surgical clothing;	P6SM_UW53
C_U38	apply a wound dressing, change it or remove it;	P6SM_UW54
C_U39	remove sutures from a wound;	P6SM_UW55
C_U40	maintain medical documentation, including in electronic form, and use it and secure it in accordance with legal regulations;	P6SM_UW56 P6SM_UO24
C_U41	provide first aid in states of direct threat to health and life;	P6SM_UW57
C_U42	temporarily immobilize bone fractures, dislocations and sprains and prepare the patient for transport;	P6SM_UW58
C_U43	temporarily stop bleeding and hemorrhages;	P6SM_UW59
C_U44	assess the health potential of the patient and their family using measurement tools;	P6SM_UW60 P6SM_UO25

C_U45	assess the psychophysical development of a child, perform screening tests and detect developmental disorders;	P6SM_UW61
C_U46	assess the health situation of an adult requiring assistance within primary health care and establish an action plan;	P6SM_UW62
C_U47	select methods and forms of disease prevention and prophylaxis, shape health behaviors of various social groups, and develop and implement individual health promotion programs for patients, families and social groups;	P6SM_UW63 P6SM_UO26
C_U48	recognize determinants of patient health behaviors and disease risk factors resulting from lifestyle;	P6SM_UW64
C_U49	organize isolation of patients with infectious diseases in public places and at home;	P6SM_UW65
C_U50	implement an individual medical care plan (IPOM) for patient care and coordinate individual care in the patient's residential environment;	P6SM_UW66
C_U51	plan care for the patient and their family using nursing practice classifications (ICNP, NANDA), assessment of care and nursing capacity, and environmental ecomap;	P6SM_UW67
C_U52	prepare prescription forms for medicinal substances as part of treatment continuation;	P6SM_UO27
C_U53	teach the patient self-monitoring of health status;	P6SM_UK06 P6SM_UW68
C_U54	provide health services in the field of primary health care;	P6SM_UK07 P6SM_UW69
C_U55	assess the environment of residence, teaching and upbringing in terms of recognizing health problems and planning care;	P6SM_UK08 P6SM_UW70
C_U56	assess the nutritional status of the body using anthropometric, biochemical methods and subjective examination, and provide nutritional counseling;	P6SM_UW71
C_U57	apply and order therapeutic diets;	P6SM_UW72
C_U58	select food products for special nutritional purposes and issue prescriptions for them as part of implementing physician's orders, and provide information on their use;	P6SM_UO28 P6SM_UW73
C_U59	make decisions regarding the selection of work methods and cooperation in a team;	P6SM_UW74
C_U60	monitor hazards in nursing work and factors conducive to the occurrence of occupational diseases and accidents at work;	P6SM_UO29 P6SM_UW75
C_U61	participate in developing standards and procedures of nursing practice and monitor the quality of nursing care;	P6SM_UO30 P6SM_UW76
C_U62	supervise and evaluate the work of subordinate personnel;	P6SM_UO31 P6SM_UW77
C_U63	plan one's own professional development and develop skills in actively seeking employment and analyze various forms of professional activity of nurses;	P6SM_UW78
C_U64	conduct a subjective patient examination, analyze and interpret its results;	P6SM_UW79
C_U65	select and apply clinimetric tools to assess the patient's condition;	P6SM_UO32 P6SM_UW80
C_U66	recognize and interpret basic differences in examining a child and an adult, including an elderly person;	P6SM_UO33 P6SM_UW81

C_U67	use physical examination techniques to assess physiological and pathological functions of the skin, sensory organs, head, chest, patient's breasts (examination and self-examination), abdominal cavity, reproductive organs, cardiovascular system, respiratory system, peripheral circulatory system, musculoskeletal system and nervous system, and document the results of physical examination and use them to assess the patient's health status;	P6SM_UW82
C_U68	conduct a comprehensive physical examination of the patient, document examination results and analyze them for the needs of nursing care, apply comprehensive assessment of the patient's health status according to the four A scheme (Analgesia - anesthesia, Activity of daily living - activity of daily living, Adverse effects - adverse effects, Aberrant behaviors - adverse behaviors related to medications), apply the PES system of describing the patient's health status assessment for the needs of nursing care, and assess the completeness of collected information regarding the patient's health situation according to the SOAP scheme (Subjective - subjective data, Objective - objective data, Assessment - assessment, Plan/Protocol - action plan);	P6SM_UW83
C_U69	collect data on the patient's health status using digital technologies;	P6SM_UW84
C_U70	perform ECG examination in patients of different ages at rest, interpret components of normal recording of heart bioelectrical activity, recognize disorders threatening health and life;	P6SM_UW85
C_U71	perform spirometry examination and perform preliminary assessment of the examination result in patients of different ages and health conditions;	P6SM_UW86
C_U72	apply principles of preventing healthcare-associated infections and combating them;	P6SM_UW87
C_U73	apply principles of preventing catheter-related bloodstream infections, hospital-acquired pneumonia, urinary tract infections, gastrointestinal infections of Clostridioides difficile etiology, surgical site infections, chronic wound infections and systemic infection;	P6SM_UW88
C_U74	apply personal protective equipment necessary to ensure the safety of oneself, patients and co-workers from healthcare-associated infections and implement appropriate types of patient isolation;	P6SM_UW89
C_U75	interpret and apply functional assumptions of information systems in healthcare using advanced computer methods and technologies in performing and contracting health services;	P6SM_UW90
C_U76	use medical documentation and observe principles of safety and confidentiality of medical information and personal data protection;	P6SM_UO34 P6SM_UW91
C_U77	use sign language and other methods and means of communication in caring for hearing impaired and deaf patients;	P6SM_UK09
C_U78	apply tools used in telemedicine and e-health systems;	P6SM_UK10
C_U79	document the patient's health situation, dynamics of its changes and implemented nursing care, taking into account teleinformation tools for data collection;	P6SM_UW92 P6SM_UO35
C_U80	support the patient in using teleinformation systems for self-care in health and illness.	P6SM_UW93

D_U01	gather information, formulate a nursing diagnosis, set nursing care goals and plans, implement nursing interventions, and evaluate nursing care;	P6SM_UW94
D_U02	use scales and questionnaires to assess the patient's condition or functional capacity in specific health situations;	P6SM_UW95
D_U03	use various techniques to measure vital signs (including blood pressure in the upper and lower limbs, respiration, body temperature, oxygen saturation, and consciousness) and evaluate the results obtained and use them to plan care in various clinical conditions;	P6SM_UW96
D_U04	conduct a comprehensive subjective and physical examination in various clinical conditions for the planning and implementation of nursing care;	P6SM_UW97 P6SM_UO36
D_U05	assess the level of pain, the patient's response to pain and its intensity, and apply pharmacological and non-pharmacological methods of pain management;	P6SM_UW98
D_U06	assist the physician during diagnostic examinations of body cavities (abdominal punctures, pleural punctures, bone marrow sampling, lumbar punctures) and endoscopy;	P6SM_UO37
D_U07	prepare and administer medications to patients by various routes in accordance with their professional nursing qualifications or a written doctor's order in specific clinical conditions, as well as medicinal products from life-saving anti-shock kits;	P6SM_UW99 P6SM_UO38
D_U08	issue prescriptions for medications as part of fulfilling medical orders in specific clinical conditions;	P6SM_UW100 P6SM_UO39
D_U09	recognize complications of pharmacotherapy, dietary treatment, and those resulting from therapeutic and nursing interventions;	P6SM_UW101
D_U10	select and apply diet therapy and provide enteral nutrition (via a stomach tube and feeding tube) and parenteral nutrition to children and adults;	P6SM_UW102 P6SM_UO40
D_U11	prevent complications occurring in the course of diseases;	P6SM_UW103 P6SM_UO41
D_U12	provide counseling on self-care for patients of different ages and health conditions regarding developmental defects, diseases, and mental disorders, including addictions, taking into account the families of these patients;	P6SM_UW104 P6SM_UO42
D_U13	conduct bedside rehabilitation and patient activation using elements of occupational therapy;	P6SM_UW105 P6SM_UO43
D_U14	educate the patient, their family, or caregiver on the selection and use of care and rehabilitation equipment and medical devices;	P6SM_UW106 P6SM_UO44
D_U15	conduct a therapeutic conversation;	P6SM_UK11
D_U16	use methods of communicating with patients who are unable to establish and maintain effective communication due to their health condition or treatment;	P6SM_UW107
D_U17	communicate with members of the interprofessional team in order to obtain and convey information about the patient's health status;	P6SM_UW108
D_U18	organize the isolation of patients with infections and infectious diseases in healthcare facilities;	P6SM_UW109

D_U19	administer oxygen to the patient on an ad hoc basis and monitor their condition during oxygen therapy in various clinical conditions;	P6SM_UW110
D_U20	perform an ECG examination on patients of different ages at rest and recognize conditions that pose a threat to health and life;	P6SM_UW111
D_U21	calculate meal-time insulin doses taking into account the patient's test results, including modifying the fixed insulin dose;	P6SM_UW112
D_U22	prepare the patient physically and mentally for diagnostic tests and urgent and planned surgical procedures;	P6SM_UW113 P6SM_UO45
D_U23	recognize complications after specialized diagnostic tests and surgical procedures;	P6SM_UW114
D_U24	select wound care techniques and methods, including removing stitches and applying specialized dressings;	P6SM_UW115
D_U25	select wound care methods and measures based on their classification;	P6SM_UW116
D_U26	care for a patient with an intestinal and urinary fistula;	P6SM_UW117 P6SM_UO46
D_U27	transfer the patient, in accordance with procedures, to the operating room for invasive examinations or admit the patient from the operating room after invasive examinations, transfer the patient from one ward to another ward, laboratory, or medical facility, and transfer information about the patient in accordance with the SBAR protocol (Situation, Background, Assessment, Recommendation);	P6SM_UW118
D_U28	ensure the safety of the woman and child in the event of an emergency delivery;	P6SM_UW119
D_U29	assess the functional abilities and deficits of older people in everyday life, using scales included in the comprehensive geriatric assessment;	P6SM_UW120
D_U30	recognize the risk of frailty syndrome in older people using recommended assessment scales and, on this basis, establish priorities for nursing care and preventive measures to prevent the worsening of functional deficits;	P6SM_UW121
D_U31	apply BLS and ALS resuscitation algorithms in accordance with PRC and ERC guidelines;	P6SM_UW122
D_U32	keep medical records in the hospital emergency department in accordance with the law;	P6SM_UW123
D_U33	apply a medical triage system in the hospital emergency department;	P6SM_UW124
D_U34	analyze and critically assess the needs of patients requiring intensive medical care (the elderly, infirm, lonely, chronically ill, and those requiring direct coercion) in the hospital emergency department and respond to these needs by adapting nursing interventions to them;	P6SM_UW125
D_U35	prepare the patient for medical transport and provide care during transport;	P6SM_UW126
D_U36	apply nursing procedures in situations posing a threat to health and life;	P6SM_UW127
D_U37	apply clinical management guidelines in the hospital emergency department;	P6SM_UW128
D_U38	care for a patient with an endotracheal tube or tracheostomy tube and mechanical ventilation;	P6SM_UW129 P6SM_UO47

D_U39	perform bronchial tree toilet using an open or closed system in patients with specific clinical conditions;	P6SM_UW130
D_U40	maintain peripheral and central venous access as well as intra-arterial access;	P6SM_UW131 P6SM_UO48
D_U41	recognize agony and care for a dying patient;	P6SM_UW132
D_U42	follow the procedure for handling the body of the deceased patient;	P6SM_UW133 P6SM_UO49
D_U43	conduct an assessment of the patient as part of the qualification procedure for admission to long-term care services (home, day, and inpatient);	P6SM_UW134
D_U44	plan, organize, and coordinate the process of providing health care services to patients receiving long-term home nursing care, day care, or staying in inpatient long-term care facilities;	P6SM_UW135
D_U45	use organizational innovations and the latest medical and digital technologies in long-term care;	P6SM_UW136
D_U46	critically analyze published scientific research results and identify opportunities for their use in professional nursing practice;	P6SM_UW137
D_U47	apply legal regulations in the field of copyright and intellectual property protection in the professional activities of a nurse.	P6SM_UW138
SOCIAL COMPETENCES (is ready to)		
K_K01	being guided by the patient's well-being, respecting the dignity and autonomy of those entrusted to care, showing understanding for differences in worldviews and cultures, and empathy in relations with the patient, their family, or caregiver;	P6SM_KK01
K_K02	respect for patient rights and the principles of humanism;	P6SM_KK02
K_K03	independent and reliable practice of the profession in accordance with ethical principles, including adherence to moral values and duties in patient care;	P6SM_KK03
K_K04	being responsible for professional activities;	P6SM_KK04
K_K05	consulting experts in case of difficulties in solving a problem on your own;	P6SM_KK05
K_K06	anticipating and taking into account factors influencing one's own reactions and those of the patient;	P6SM_KK06
K_K07	recognizing and acknowledging one's own limitations in terms of knowledge, skills, and social competencies, and self-assessing educational deficits and needs.	P6SM_KK07