TABLE of LEARNING OUTCOMES

Name of the field of study: NURSING
level of education: first-cycle studies
POLISH QUALIFICATIONS FRAMEWORK – LEVEL 6
educational profile: practical
disciplines:
- *field: medical and health sciences – discipline: medical sciences (65% - leading discipline)*
- *field: medical and health sciences – discipline: health sciences (35%)*

Symbol	Learning outcomes for the field of study On completing first-cycle NURSING studies, the graduate:	Reference to the universal descriptors for the given level of PQF	Reference to second stage descriptors of the Polish Qualifications Framework
	KNOWLEDGE		
A. PRECLINICAL SCIENCES			
A.W1.	knows and understands human body structure in a topographic view (upper and lower limbs, chest, abdomen, pelvis, back, neck, head) and a functional one (systems: osteoarticular, muscular, circulatory, hematopoietic, respiratory, digestive, urinary, male and female reproductive, nervous, sensory; integument)	P6U_W	P6S_WG
A.W2.	knows and understands neurohormonal regulation of physiological and electrophysiological processes in the human body	P6U_W	P6S_WG
A.W3.	knows and understands the physiology of particular systems and organs of the human body: musculoskeletal, circulatory, hematopoietic, respiratory, digestive, urinary, male and female reproductive, nervous, hormonal, immune systems and sensory organs and integument	P6U_W	P6S_WG
A.W4.	knows and understands the participation of human body systems and organs in maintaining body homeostasis and changes in the functioning of the human body as a whole in the event of disruption of its homeostasis	P6U_W	P6S_WG
A.W5.	knows and understands the basics of activity of regulation systems and the role of positive and negative feedback in maintaining homeostasis	P6U_W	P6S_WG
A.W6.	knows and understands the mechanisms of innate and acquired immunity, humoral and cellular immunity	P6U_W	P6S_WG
A.W7.	knows and understands the basic concepts within human body pathology	P6U_W	P6S_WG

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A.W8.	knows and understands external and internal, modifiable and non-modifiable pathogenic factors and their impact on the human body	P6U_W	P6S_WG
A.W9.	knows and understands issues in detailed pathology of human body systems: musculoskeletal, circulatory, hematopoietic, respiratory, digestive, urinary, male and female reproductive, nervous, hormonal, immune system and metabolic, water-electrolyte and acid-base balance disorders	P6U_W	P6S_WG
A.W10.	knows and understands the bases of disorders in the functioning of the immune system: allergies, autoimmune diseases, immunology of tumours	P6U_W	P6S_WG
A.W11.	knows and understands the genetic determinants of human blood groups and serological conflict in the Rh system	P6U_W	P6S_WG
A.W12.	knows and understands issues of genetically determined diseases	P6U_W	P6S_WG
A.W13.	knows and understands the structure of chromosomes and molecular basis for mutagenesis	P6U_W	P6S_WG
A.W14.	knows and understands principles of inheriting various number of traits, inheriting quantitative traits, independent trait inheritance and extranuclear genetic information inheritance	P6U_W	P6S_WG
A.W15.	knows and understands modern genetic testing techniques	P6U_W	P6S_WG
A.W16.	knows and understands the physicochemical basic for the functioning of senses using physical information carriers (sound and electromagnetic waves)	P6U_W	P6S_WG
A.W17.	knows and understands the regulation mechanisms and biophysical basics of the functioning of metabolism in the human body	P6U_W	P6S_WG
A.W18.	knows and understands the role of vitamins, aminoacids, nucleosides, monosaccharides, carboxylic acids and their derivatives, co-forming the macromolecules present in cells, extracellular matrix and body fluids	P6U_W	P6S_WG
A.W19.	knows and understands the impact of external factors, such as temperature, gravity, pressure, electromagnetic field and ionising radiation, including radon occurring in the environment, on the human body	P6U_W	P6S_WG
A.W20.	knows and understands the basic concepts in microbiology and parasitology as well as the methods used in microbiological diagnostics	P6U_W	P6S_WG
A.W21.	knows and understands the classification of microorganisms with consideration of pathogenic microorganisms and those present in human physiological microbiota	P6U_W	P6S_WG
A.W22.	knows and understands individual groups of therapeutic agents, the main mechanisms of their action and the changes in the human body and side effects caused by them	P6U_W	P6S_WG

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A.W23.	knows and understands the basic principles of pharmacotherapy	P6U_W	P6S_WG
A.W24.	knows and understands individual groups of medicines, active substances contained in medicines, the use of medicines as well as the forms and routes of their administration	P6U_W	P6S_WG
A.W25.	knows and understands the influence of disease processes on metabolism and medicines elimination	P6U_W	P6S_WG
A.W26.	knows and understands adverse effects of medicines, including those resulting from medicine interactions, and the procedure for reporting adverse effects of medicines	P6U_W	P6S_WG
A.W27.	knows and understands the rules of issuing prescriptions as part of the execution of medical orders	P6U_W	P6S_WG
A.W28.	knows and understands the principles of treatment with blood, its components, and blood substitutes	P6U_W	P6S_WG
A.W29.	knows and understands imaging methods and principles of imaging with those methods as well as principles of radiological protection	P6U_W	P6S_WG
B. SOCIAL SCIENCES AND THE HUMANITIES IN NURSING			
B.W1.	knows and understands psychological basis of human development, normal behaviour and behaviour disorders	P6U_W	P6S_WG
B.W2.	knows and understands issues of the human – social environment relation, adaptive behaviours and the mechanisms of humans functioning in difficult situations	P6U_W	P6S_WG
B.W3.	knows and understands the principles of diagnosing, planning, implementing and assessing patient care in internal medicine, surgical, operating theatre, paediatric, obstetric and gynaecological, geriatric, neurological, psychiatric nursing, in the hospital emergency department, in intensive care, palliative care and long-term care, and care for patients with cancer	P6U_W	P6S_WG
B.W4.	knows and understands stages of psychological development of the human and the regularities occurring at those stages	P6U_W	P6S_WG
B.W5.	knows and understands the concept of emotions, motivation, temperament and personality, characteristics of a healthy personality, personality disorders	P6U_W	P6S_WG
B.W6.	knows and understands the essence, structure and phenomena occurring in the process of information transfer and exchange as well as models, styles of and barriers in interpersonal communication	P6U_W	P6S_WG
B.W7.	knows and understands theories of psychological stress, the relationship between stress and health status, and other psychological determinants of health	P6U_W	P6S_WG

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B.W8.	knows and understands the salutogenic approach and the pathogenic approach to health and disease	P6U_W	P6S_WG
B.W9.	knows and understands the processes of human adaptation to life with a chronic disease or one with an unfavourable prognosis, and the determinants of those processes	P6U_W	P6S_WG
B.W10.	knows and understands the importance of social and psychological support in health and disease and in special situations in healthcare	P6U_W	P6S_WG
B.W11.	knows and understands techniques of stress management, anxiety reduction, relaxation methods, mechanisms of professional burnout syndrome occurrence and of preventing it	P6U_W	P6S_WG
B.W12.	knows and understands concepts and principles of the functioning of a family, group, organisation, institution, population, community and ecosystem	P6U_W	P6S_WK
B.W13.	knows and understands selected areas of cultural and religious differences	P6U_W	P6S_WK
B.W14.	knows and understands the scope of social interaction and the socialisation process as well as the functioning of local communities and ecosystem	P6U_W	P6S_WG
B.W15.	knows and understands the concepts of deviation and disturbance, with particular consideration of child pathology	P6U_W	P6S_WG
B.W16.	knows and understands the phenomenon of social, cultural, ethnic and age- and gender-related discrimination	P6U_W	P6S_WK
B.W17.	knows and understands the current and forecasted social changes affecting the functioning of the healthcare system and the conditions for practicing the profession of a nurse	P6U_W	P6S_WG
B.W18.	knows and understands social attitudes towards health and the healthcare system	P6U_W	P6S_WG
B.W19.	knows and understands basic concepts and issues within pedagogics as an applied science and the educational process in social phenomenon view (illness, recovery, hospitalisation, dying)	P6U_W	P6S_WG
B.W20.	knows and understands issues of conducting health education	P6U_W	P6S_WG
B.W21.	knows and understands methodology of health education of children, young people, adults and the elderly	P6U_W	P6S_WG
B.W22.	knows and understands basic concepts within law and the role of law in the life of society, with particular consideration of human rights and labour law	P6U_W	P6S_WK
B.W23.	knows and understands basic legal regulations within the healthcare system, including within health insurance, binding in the Republic of Poland	P6U_W	P6S_WK

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B.W24.	knows and understands the legal foundations for pursuing the nursing profession, including the rights and duties of a nurse, and the legal forms of performing the nursing profession, organisation and tasks of a professional association of nurses and midwives and the rights and duties of its members	P6U_W	P6S_WK
B.W25.	knows and understands the principles of employee, professional, civil, and criminal liability connected with pursuing the profession of a nurse, including adverse events, professional misconduct, and medical errors	P6U_W	P6S_WK
B.W26.	knows and understands human rights, children's rights and patients' rights	P6U_W	P6S_WK
B.W27.	knows and understands the concept of public health and tasks within public health	P6U_W	P6S_WK
B.W28.	knows and understands the cultural, social and economic determinants of public health	P6U_W	P6S_WK
B.W29.	knows and understands the basic concepts concerning health and disease	P6U_W	P6S_WG
B.W30.	knows and understands the essence of disease prevention and prophylaxis	P6U_W	P6S_WG
B.W31.	knows and understands principles of the functioning of the healthcare systems in the Republic of Poland and selected EU member states, and conditions of access to health services	P6U_W	P6S_WK
B.W32.	knows and understands specific health risks in the living, education and work environment	P6U_W	P6S_WG
B.W33.	knows and understands international statistical classifications, including those concerning 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	P6U_W	P6S_WG
B.W34.	knows and understands the subject of general and professional ethics of a nurse	P6U_W	P6S_WK
B.W35.	knows and understands the essence of ethical decision-making and the principles of resolving moral dilemmas in the work of a nurse	P6U_W	P6S_WK
B.W36.	knows and understands the issues of normative ethics, including values, duties and moral skills important in the work of a nurse	P6U_W	P6S_WK
B.W37.	knows and understands cultural and religious differences and the resulting needs of patients, their families or carers, and the principles of nursing interventions consistent with professional ethics	P6U_W	P6S_WK
B.W38.	knows and understands the 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	P6U_W	P6S_WK
B.W39.	knows and understands the priorities of teamwork and factors influencing the effectiveness of teamwork	P6U_W	P6S_WG

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B.W40.	knows and understands the importance of team member motivation for the quality and effectiveness of teamwork	P6U_W	P6S_WG
B.W41.	knows and understands the role of leadership and management styles in teamwork and their advantages and disadvantages	P6U_W	P6S_WG
B.W42.	knows and understands the decision-making process in a team	P6U_W	P6S_WK
B.W43.	knows and understands the methods of self-assessment of teamwork	P6U_W	P6S_WK
B.W44.	knows and understands factors disrupting teamwork and methods of resolving conflicts in a team	P6U_W	P6S_WK
B.W45.	knows and understands the principles of effective communication in interprofessional teams	P6U_W	P6S_WG
B.W46.	knows and understands the principles of establishing contact with a patient, their family or carer, building relationships and providing information to the patient or an authorised person, and methods to improve communication with the patient, their family or carer	P6U_W	P6S_WG
B.W47.	knows and understands the principles of communicating with a patient of a different cultural background or sexual orientation, a visually impaired or blind patient, and a hearing impaired or deaf patient	P6U_W	P6S_WG
B.W48.	knows and understands the importance of the patient's perspective in nursing care, and motivating the patient to follow recommendations and adopt a healthy lifestyle	P6U_W	P6S_WG
B.W49.	knows and understands the methods of showing empathy to the patient, their family or carer	P6U_W	P6S_WG
B.W50.	knows and understands the principles of conduct and coping in the event of mobbing, discrimination and other pathological behaviours in the work environment	P6U_W	P6S_WK
C. FOUNDATIONS OF NURSING AND PATIENT CARE SCIENCES			
C.W1.	knows and understands the conditions of the development of nursing against the background of the transformation of nursing care and professionalisation of modern nursing	P6U_W	P6S_WG
C.W2.	knows and understands the concept of nursing, including support, assistance and aid, as well as the role of the patient in providing nursing care	P6U_W	P6S_WG
C.W3.	knows and understands the definition of the nursing profession according to the International Council of Nurses (ICN), the professional functions and tasks of a nurse according to the World Health Organization (WHO)	P6U_W	P6S_WG
C.W4.	knows and understands the process of nursing (definition, stages, principles) and methods of work organisation, including within primary nursing, its essence and differences, considering their impact on the quality of nursing care and the development of nursing practice	P6U_W	P6S_WG

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C.W5.	knows and understands classifications of nursing practice (International Classification for Nursing Practice, ICNP, and NANDA's International Nursing Diagnoses, North American Nursing Diagnosis Association, NANDA)	P6U_W	P6S_WG
C.W6.	knows and understands the essence of nursing care based on selected theoretical principles (Florence Nightingale, Virginia Henderson, Dorothea Orem, Callista Roy, Betty Neuman)	P6U_W	P6S_WG
C.W7.	knows and understands the essence, purpose, indications, contraindications, complications, dangers, applicable rules and techniques of basic nursing activities within preventive, diagnostic, medical and rehabilitation activities according to the binding rules	P6U_W	P6S_WG
C.W8.	knows and understands the tasks of a nurse in caring for a patient who is healthy, in danger of illness, sick or with unfavourable prognosis	P6U_W	P6S_WG
C.W9.	knows and understands the scope and character of nursing care in deficit of self-care, disturbed comfort, disturbed psychomotor performance of a patient	P6U_W	P6S_WG
C.W10.	knows and understands the scope of nursing care and nursing interventions in selected nursing diagnoses	P6U_W	P6S_WG
C.W11.	knows and understands the role of a nurse in an interdisciplinary team in the process of health promotion, disease prevention, diagnosis, treatment and rehabilitation	P6U_W	P6S_WG
C.W12.	knows and understands the principles of providing aid in health-threatening situations	P6U_W	P6S_WG
C.W13.	knows and understands the concepts and assumptions of health promotion and preventive healthcare	P6U_W	P6S_WG
C.W14.	knows and understands the tasks of a nurse in health promotion and principles of constructing health promotion programs	P6U_W	P6S_WG
C.W15.	knows and understands strategies of local, national and global health promotion	P6U_W	P6S_WK
C.W16.	knows and understands the organization and functioning of primary healthcare in the Republic of Poland and other countries, including the tasks and professional qualifications of a nurse and other healthcare system employees	P6U_W	P6S_WK
C.W17.	knows and understands the conditions of provision of and the principles of financing nursing services in primary healthcare	P6U_W	P6S_WK
C.W18.	knows and understands methods of assessing the living and educational environment within recognising health problems and planning care	P6U_W	P6S_WG
C.W19.	knows and understands the principles of coordinating the process of providing health services in primary healthcare	P6U_W	P6S_WG

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C.W20.	knows and understands vaccinations and types of vaccines resulting from the current vaccination program in the Republic of Poland, and their operation	P6U_W	P6S_WG
C.W21.	knows and understands the standards for conducting qualification tests for vaccinations against influenza, viral hepatitis, tetanus, COVID-19 and performing vaccinations against influenza, hepatitis, tetanus, COVID-19, pneumococci, rabies and other mandatory and recommended vaccinations in accordance with the legal provisions on vaccinations, while ensuring the safety of the patient and themselves	P6U_W	P6S_WG
C.W22.	knows and understands the procedures used in the case of an AEFI and the principles of reporting on vaccinations	P6U_W	P6S_WG
C.W23.	knows and understands the energy, nutrients and water requirements of healthy and sick people of different ages and health conditions	P6U_W	P6S_WG
C.W24.	knows and understands the principles of nutrition of healthy and sick people of all ages as well as enteral and parenteral nutrition and basics of nutritional education	P6U_W	P6S_WG
C.W25.	knows and understands the classification and types of diets	P6U_W	P6S_WG
C.W26.	knows and understands the principles of assessing nutritional status and the causes and types of malnutrition	P6U_W	P6S_WG
C.W27.	knows and understands the basics of diet therapy in the most common diet-related diseases in children and adults	P6U_W	P6S_WG
C.W28.	knows and understands the foodstuffs for particular nutritional uses	P6U_W	P6S_WG
C.W29.	knows and understands the concept of a job position, scope of duties, powers and responsibilities in nursing positions	P6U_W	P6S_WK
C.W30.	knows and understands legal regulations regarding working time, shift work, work schedule and workload in nursing positions	P6U_W	P6S_WK
C.W31.	knows and understands the basic methods of nursing care organization and their importance for the quality of that care	P6U_W	P6S_WK
C.W32.	knows and understands basics of management, the stages of planning own work and that of subordinate staff	P6U_W	P6S_WK
C.W33.	knows and understands the scope of professional qualifications and authorisations in nursing, the possibilities of career planning and the determinants of one's own professional development	P6U_W	P6S_WK
C.W34.	knows and understands the conditions for ensuring nursing care quality and the principles of managing the quality of that care	P6U_W	P6S_WK
C.W35.	knows and understands the principles of creating and developing various forms of the professional activity of a nurse	P6U_W	P6S_WK

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C.W36.	knows and understands the concept, principles and manner of conducting medical interview and of its documentation	P6U_W	P6S_WG
C.W37.	knows and understands the system of describing the patient's symptoms and ailments according to the OLD CART (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) systems	P6U_W	P6S_WG
C.W38.	knows and understands the PES (Problem, Aetiology, Symptom) system of describing the diagnosis of the patient's health condition for the needs of nursing care	P6U_W	P6S_WG
C.W39.	knows and understands the importance of cultural and social conditions in assessing the health condition	P6U_W	P6S_WG
C.W40.	knows and understands the methods and techniques of comprehensive physical examination and of its documentation	P6U_W	P6S_WG
C.W41.	knows and understands the principles of preparing a patient for an ECG examination and the technique of performing an ECG examination, right ventricular ECG and ECG with additional leads	P6U_W	P6S_WG
C.W42.	knows and understands the principles of recognizing P, Q, R, S, T, U waves in an ECG recording, features of a correct recording and features of basic disorders (cardiac arrhythmias, conduction disorders, electrolyte disorders, myocardial ischemia and necrosis)	P6U_W	P6S_WG
C.W43.	knows and understands the type of equipment and the method of its preparation for performing spirometry and the principles of performing that examination	P6U_W	P6S_WG
C.W44.	knows and understands the importance of the results of medical interview and physical examination in formulating the assessment of a patient's health condition for the needs of nursing care	P6U_W	P6S_WG
C.W45.	knows and understands the manners of conducting medical interview and physical examination by a nurse with the use of ICT systems or communication systems and methods of collecting data on the patient's health condition using digital technologies	P6U_W	P6S_WG
C.W46.	knows and understands the concept of infections related to provision of health services, their sources, pathogens of hospital infections, their reservoirs, routes of their transmission and the epidemic chain	P6U_W	P6S_WG
C.W47.	knows and understands organisation of controlling infections in a healthcare facility and methods of infection control, taking into account the role of the epidemiological nurse	P6U_W	P6S_WG
C.W48.	knows and understands the principles of prevention and the mechanism and methods of treatment in catheter-related blood infection, hospital pneumonia, urinary tract infection, Clostridioides difficile gastrointestinal infection,	P6U_W	P6S_WG

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	surgical site infection, chronic wound infection and systemic infection, and the principles of aseptic and antiseptic procedures in the prevention of hospital infections		
C.W49.	knows and understands the principles of construction and functioning of the Medical Information System (SIM), domain teleinformation systems and medical registers, as well as the principles of their interoperability	P6U_W	P6S_WG
C.W50.	knows and understands the methods, tools and techniques of data acquisition and their use in the professional practice of a nurse	P6U_W	P6S_WG
C.W51.	knows and understands the basics of sign language, fingerspelling and ideographic signs, to the extent necessary to collect information about the patient's health situation	P6U_W	P6S_WG
C.W52.	knows and understands telemedicine and e-health systems and their importance for improving the provision of health services, including nursing services	P6U_W	P6S_WG
C.W53.	knows and understands the types of telemedicine systems, taking into account the division into synchronous and asynchronous systems	P6U_W	P6S_WG
C.W54.	knows and understands the technical tools used in telemedicine and e-health systems	P6U_W	P6S_WG
C.W55.	knows and understands the scope and principles of nurse participation in the provision of health services using telemedicine and e-health systems	P6U_W	P6S_WG
D. SPECIALIZED HEALTHCARE SCIENCES			
D.W1.	knows and understands the risk factors and health risks in patients of all ages	P6U_W	P6S_WG
D.W2.	knows and understands the etiopathogenesis, clinical symptoms, course, treatment, prognosis and principles of nursing care for patients in selected diseases, including cancers	P6U_W	P6S_WG
D.W3.	knows and understands the types of diagnostic tests, their clinical significance and the principles of commissioning them, as well as the nurse's professional qualifications in issuing referrals for diagnostic tests in particular clinical conditions	P6U_W	P6S_WG
D.W4.	knows and understands the principles of preparing patients of different ages and health conditions for tests and diagnostic procedures, as well as the principles of care during and after those tests and procedures	P6U_W	P6S_WG
D.W5.	knows and understands the principles and scope of pharmacotherapy in specific clinical conditions	P6U_W	P6S_WG
D.W6.	knows and understands the properties of medicine groups and their effects on the patient's systems and organs in various diseases depending on age and health, including adverse effects, interactions with other medicines, and administration routes	P6U_W	P6S_WG

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D.W7.	knows and understands the principles of organisation of specialist care (internist, surgical, operating theatre, paediatric, geriatric, neurological, psychiatric, hospital emergency department, intensive care, palliative, long-term care, and care for patients with cancer)	P6U_W	P6S_WG
D.W8.	knows and understands the standards and nursing procedures used in the care of patients of different age and health condition	P6U_W	P6S_WG
D.W9.	knows and understands the patient's reactions to illness, admission to hospital and hospitalisation	P6U_W	P6S_WG
D.W10.	knows and understands the methods and techniques of communicating with a patient unable to establish and maintain effective communication due to their health condition or treatment	P6U_W	P6S_WG
D.W11.	knows and understands the principles of patient nutrition, considering dietary treatment, pre- and post-operative indications according to the binding guidelines, recommendations and protocols (Enhanced Recovery After Surgery, ERAS)	P6U_W	P6S_WG
D.W12.	knows and understands the types and uses of foodstuffs in particular clinical conditions	P6U_W	P6S_WG
D.W13.	knows and understands the principles of care for patients with nutritional stomas, in particular percutaneous endoscopic gastrostomy (PEG), gastrostomy, microjejunostomy, excretory stomas (colostomy, ileostomy, urostomy) and fistulas resulting from complications	P6U_W	P6S_WG
D.W14.	knows and understands the principles of patient preparation for emergency and planned surgery, in one-day surgery, and the principles of patient care after surgery to prevent early and late complications	P6U_W	P6S_WG
D.W15.	knows and understands the factors increasing perioperative risk	P6U_W	P6S_WG
D.W16.	knows and understands the principles of patient observation after surgery, including basic and extended monitoring	P6U_W	P6S_WG
D.W17.	knows and understands the methods and scales for assessing acute pain and assessing the level of sedation	P6U_W	P6S_WG
D.W18.	knows and understands the pathophysiology, clinical symptoms, course, treatment and prognosis of diseases of the developmental age concerning: the respiratory system, circulatory system, nervous system, urinary tract, digestive system, and endocrine, metabolic, allergic and blood diseases	P6U_W	P6S_WG
D.W19.	knows and understands the pathophysiology, clinical symptoms of diseases and life-threatening conditions of a newborn, including premature babies, and the basics of nursing care in that area	P6U_W	P6S_WG
D.W20.	knows and understands the purpose and principles of preconception care and the principles of planning care for women in physiological pregnancy	P6U_W	P6S_WG

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D.W21.	knows and understands the periods of labour, principles of conduct in the event of emergency labour and the principles of care for women in the postpartum period	P6U_W	P6S_WG
D.W22.	knows and understands the etiopathogenesis of gynaecological diseases	P6U_W	P6S_WG
D.W23.	knows and understands the aging process in biological, psychological, social and economic aspects	P6U_W	P6S_WG
D.W24.	knows and understands the pathophysiology, clinical symptoms, course, treatment and prognosis of diseases of old age: dementia, delirium, depression, gait and balance disorders, malnutrition, osteoporosis, orthostatic hypotension, diseases of the eyes and hearing organs, incontinence and injuries sustained as a result of falls	P6U_W	P6S_WG
D.W25.	knows and understands the tools and scales for a comprehensive geriatric assessment, and assessment of support for older people and their families or caregivers	P6U_W	P6S_WG
D.W26.	knows and understands the principles of rehabilitation and activation of older people	P6U_W	P6S_WG
D.W27.	knows and understands the methods, techniques and tools for assessing the state of consciousness and sensibility	P6U_W	P6S_WG
D.W28.	knows and understands the etiopathogenesis and clinical symptoms of basic mental disorders in children, adolescents and adults, including the elderly	P6U_W	P6S_WG
D.W29.	knows and understands the possibilities of building a therapeutic relationship, using 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, hospital and in the patient's living environment)	P6U_W	P6S_WG
D.W30.	knows and understands the principles applicable when using direct coercion	P6U_W	P6S_WG
D.W31.	knows and understands standards and procedures of acting in emergency situations, and the binding guidelines of the Polish Resuscitation Council (PRC) and the European Resuscitation Council (ERC)	P6U_W	P6S_WG
D.W32.	knows and understands life support algorithms for Basic Life Support (BLS) and Advanced Life Support (ALS) according to the guidelines of the PRC and the ERC	P6U_W	P6S_WG
D.W33.	knows and understands the principles of the organization and functioning of the State Emergency Medical Services system	P6U_W	P6S_WG
D.W34.	knows and understands the procedures of medical protection in mass emergencies, disasters and other special circumstances and the principles of ensuring the safety of persons providing assistance, injured persons and witnesses to the event	P6U_W	P6S_WG

TABLE of LEARNING OUTCOMES

D.W35.	knows and understands the tasks performed as a nurse in a hospital emergency department	P6U_W	P6S_WG
D.W36.	knows and understands the principles of admitting a patient to a hospital emergency department and the medical triage systems applicable in this department	P6U_W	P6S_WG
D.W37.	knows and understands the rescue procedure in a hospital emergency department in emergency conditions depending on the disease entity and the indications for instrumental airway clearance using supraglottic methods	P6U_W	P6S_WG
D.W38.	knows and understands the methods of anaesthesia and the principles of patient care after anaesthesia	P6U_W	P6S_WG
D.W39.	knows and understands the pathophysiology and clinical symptoms of life-threatening diseases (respiratory failure, circulatory failure, nervous system disorders, shock, sepsis)	P6U_W	P6S_WG
D.W40.	knows and understands preventive measures for sleep disorders in the patient, including in intensive care, and delirious states, their causes and consequences	P6U_W	P6S_WG
D.W41.	knows and understands the principles of preventing complications associated with the use of invasive diagnostic and therapeutic techniques in patients in a life-threatening condition	P6U_W	P6S_WG
D.W42.	knows and understands the dying process, symptoms of approaching death and principles of care in the last hours of life of patients with diseases that cannot be cured	P6U_W	P6S_WG
D.W43.	knows and understands the organization of providing health services, principles of admission and stay of patients in long-term care facilities	P6U_W	P6S_WG
D.W44.	knows and understands the role and the tasks of a long-term care nurse in providing comprehensive care and treatment of patients and the principles of cooperation with health and social care institutions	P6U_W	P6S_WG
D.W45.	knows and understands the global directions of development of long-term care, taking into account the use of the latest medical and digital technologies	P6U_W	P6S_WG
D.W46.	knows and understands the basic directions of medical and vocational rehabilitation	P6U_W	P6S_WG
D.W47.	knows and understands the course and methods of rehabilitation procedures in various diseases	P6U_W	P6S_WG
D.W48.	knows and understands the importance of scientific research for nursing practice and the development of the nursing profession	P6U_W	P6S_WG
D.W49.	knows and understands nursing scientific organizations and their role in scientific research	P6U_W	P6S_WG
D.W50.	knows and understands the subject, purpose and area of scientific research and nursing paradigms	P6U_W	P6S_WG

TABLE of LEARNING OUTCOMES

D.W51.	knows and understands the methods and techniques of conducting scientific research in nursing	P6U_W	P6S_WG
D.W52.	knows and understands the principles of ethics in conducting scientific research and basic legal regulations within copyright and intellectual property protection law in the professional activity of a nurse	P6U_W	P6S_WK
D.W53.	knows and understands the basic principles of participation of patients and medical personnel in clinical trials	P6U_W	P6S_WK
SKILLS			
A. PRECLINICAL SCIENCES			
A.U1.	can apply anatomical terminology and apply the knowledge of topography of human body organs in practice	P6U_U	P6S_UW
A.U2.	can interpret physiological processes, with particular emphasis on neurohormonal regulation of physiological processes	P6U_U	P6S_UW
A.U3.	can describe changes in the functioning of the human body as a whole in the event of disruption of its homeostasis	P6U_U	P6S_UW
A.U4.	can relate morphological and functional changes within tissues, organs and systems to clinical symptoms and results of diagnostic tests, and indicate the consequences of developing pathological changes for the human body	P6U_U	P6S_UW
A.U5.	can assess the risk of occurrence of a disease based on inheritance principles and impact of environmental factors	P6U_U	P6S_UW
A.U6.	can use knowledge of genetic disease determination in disease prevention	P6U_U	P6S_UW
A.U7.	can participate in the choice of diagnostic methods in particular clinical states, using knowledge within biochemistry and biophysics	P6U_U	P6S_UW
A.U8.	can participate in the prevention of pre-laboratory errors	P6U_U	P6S_UW
A.U9.	can correctly interpret laboratory test results	P6U_U	P6S_UW
A.U10.	can recognize the most common pathogenic microorganisms and human parasites on the basis of their structure, physiology, life cycles and disease symptoms caused	P6U_U	P6S_UW
A.U11.	can plan and perform basic activities in microbiological diagnostics and interpret the obtained results	P6U_U	P6S_UW
A.U12.	can estimate the toxicological risk in specific age groups and in various clinical conditions	P6U_U	P6S_UW
A.U13.	can use pharmaceutical guides and databases on medicinal products	P6U_U	P6S_UW

TABLE of LEARNING OUTCOMES

A.U14.	can prepare a record of formulations of medicinal substances and foodstuffs for particular nutritional uses ordered by a doctor	P6U_U	P6S_UW
A.U15.	can calculate drug doses in accordance with the characteristics of the medicinal product	P6U_U	P6S_UW
A.U16.	can apply principles of radiological protection	P6U_U	P6S_UW
B. SOCIAL SCIENCES AND THE HUMANITIES IN NURSING			
B.U1.	can recognise normal, disturbed and pathological conduct	P6U_U	P6S_UW
B.U2.	can recognize disorders in the social functioning of a person and assess the process of adaptation of a person in various contexts of health and illness, as well as indicate the role of social and psychological support in the care for a healthy and a sick person	P6U_U	P6S_UW
B.U3.	can assess the impact of illness and hospitalisation on the physical and mental state of a person	P6U_U	P6S_UW
B.U4.	can assess human functioning in difficult situations, such as stress, frustration, conflict, trauma, mourning, physical violence, sexual violence, introduce elementary forms of psychological assistance and inform about specialised assistance forms	P6U_U	P6S_UW
B.U5.	can identify mistakes and barriers in the communication process in difficult situations, demonstrate the ability to listen actively and create conditions for correct communication with a patient and members of the interprofessional team	P6U_U	P6S_UK
B.U6.	can apply techniques of verbal and non-verbal communication in nursing care	P6U_U	P6S_UK
B.U7.	can indicate and apply suitable techniques of reducing anxiety and relaxation methods	P6U_U	P6S_UW
B.U8.	can apply mechanisms of preventing professional burnout syndrome and develop personal resources enabling coping with the burnout syndrome	P6U_U	P6S_UO
B.U9.	can apply techniques for coping with difficult situations in the professional work of a nurse such as a serious patient illness, death, medical error, physical and psychological violence	P6U_U	P6S_UW
B.U10.	can propose activities to prevent discrimination, racism, and dysfunctionality in various social groups, based on the principles of humanism	P6U_U	P6S_UW
B.U11.	can diagnose factors influencing the health situation of an individual within the family and local community	P6U_U	P6S_UW
B.U12.	can recognise educational needs in groups of nursing service recipients	P6U_U	P6S_UW

TABLE of LEARNING OUTCOMES

B.U13.	can develop educational programmes within health promotion activities for various groups of nursing services recipients	P6U_U	P6S_UW
B.U14.	can apply legal regulations concerning professional nursing practice and patient rights and safety principles	P6U_U	P6S_UW
B.U15.	can analyse global health trends in healthcare in the light of the latest epidemiological and demographic data	P6U_U	P6S_UW
B.U16.	can analyse the functioning of various healthcare systems in the Republic of Poland and selected European Union Member States	P6U_U	P6S_UW
B.U17.	can apply international statistical classifications, including those concerning diseases and health problems (ICD-10), functioning, disability and health (ICF), and medical procedures	P6U_U	P6S_UW
B.U18.	can solve ethical and moral dilemmas occurring in the professional practice of a nurse	P6U_U	P6S_UW
B.U19.	can recognise the needs of patients, their families or carers in terms of cultural and religious differences and undertake interventions in accordance with the principles of professional ethics of a nurse	P6U_U	P6S_UW
B.U20.	can use selected models of organising own and team work, plan team work and motivate team members to work	P6U_U	P6S_UO
B.U21.	can identify factors interfering with team work and indicate ways to increase effectiveness in team work	P6U_U	P6S_UO
B.U22.	can indicate ways to solve problems presented by team members	P6U_U	P6S_UO
B.U23.	can apply the principles of correct and effective communication with members of an interprofessional team	P6U_U	P6S_UK
B.U24.	can use medical literature in English or, in the case of studying in English, medical literature in another foreign language	P6U_U	P6S_UK
B.U25.	can communicate in English or, in the case of studying in English, in another foreign language, at B2 level according to CEFR	P6U_U	P6S_UK
C. FOUNDATIONS OF NURSING AND PATIENT CARE SCIENCES			
C.U1.	can apply the selected nursing method of patient care	P6U_U	P6S_UW
C.U2.	can gather information via an interview, observation, measurements, physical examination, and documentation analysis in order to identify a patient's health condition, as well as interpret and document the obtained results for the needs of a nursing diagnosis	P6U_U	P6S_UW
C.U3.	can develop a nursing care plan and implement it together with the patient, their family or carer	P6U_U	P6S_UO

TABLE of LEARNING OUTCOMES

C.U4.	can monitor a patient's health condition during their stay in hospital or other organisational units of the healthcare system	P6U_U	P6S_UW
C.U5.	can perform initial, current and final assessment of a patient's condition (condition, problems, needs), and evaluate the undertaken nursing interventions	P6U_U	P6S_UW
C.U6.	can perform diagnostic blood tests for ketones and glucose using a glucometer, urine tests for ketones and glucose using test strips, measure blood cholesterol and use other strip tests	P6U_U	P6S_UW
C.U7.	can perform the procedure of hygienic hand washing and disinfection, don and take off disposable medical gloves, don surgical clothing, apply the principles of asepsis and antiseptics, handle medical waste and use personal protective equipment and the post-exposure procedure	P6U_U	P6S_UW
C.U8.	can prepare medical tools and equipment for the implementation of procedures and check the effectiveness of sterilization	P6U_U	P6S_UW
C.U9.	can manage, document and assess the fluid balance of a patient	P6U_U	P6S_UW
C.U10.	can perform measurements of body temperature, pulse, respiration, arterial blood pressure, central venous pressure, saturation, peak expiratory flow and anthropometric measurements (weight, height, circumferences of head, chest and waist, Body Mass Index (BMI), body fat distribution indices: Waist Hip Ratio (WHR), Waist to Height Ratio (WtHR), skin fold thickness, abdominal and limb circumferences) in patients of different ages and interpret their results	P6U_U	P6S_UW
C.U11.	can obtain samples for laboratory and microbiology tests and assist a doctor with a diagnostic examination	P6U_U	P6S_UW
C.U12.	can issue referrals for specific diagnostic tests	P6U_U	P6S_UW
C.U13.	can apply anti-inflammatory procedures	P6U_U	P6S_UW
C.U14.	can store and prepare medicines in accordance with current pharmacotherapy and nursing care standards	P6U_U	P6S_UW
C.U15.	can calculate the dose of a drug, independently administer medicines via various routes, in accordance with the professional qualifications of a nurse or written instructions of a physician, and medicinal products from life-saving shock kits, as well as participate in the administration of botulinum toxin by a physician in medical procedures in the treatment of spasticity	P6U_U	P6S_UW
C.U16.	can issue prescriptions for medicines, including prescription medicines, foodstuffs for special nutritional uses and medical devices as part of continuing treatment within the implementation of medical orders;	P6U_U	P6S_UW
C.U17.	can participate in the transfusion of blood and its components and blood substitutes	P6U_U	P6S_UW

TABLE of LEARNING OUTCOMES

C.U18.	can vaccinate against influenza, hepatitis, tetanus, COVID-19, pneumococci, rabies and provide other mandatory and recommended protective vaccinations in accordance with the provisions of the law	P6U_U	P6S_UW
C.U19.	can recognize and classify AEFIs and characterize local and generalized body reactions occurring in the patient, and take appropriate actions	P6U_U	P6S_UW
C.U20.	can perform skin tests and allergy tests	P6U_U	P6S_UW
C.U21.	can rinse the oral cavity, throat, eye, ear, stomach, bladder, intestinal fistula and a wound	P6U_U	P6S_UW
C.U22.	can cannulate and remove a cannula from peripheral veins, including the external jugular vein, administer intravenous medications, monitor and care for the peripheral insertion site	P6U_U	P6S_UW
C.U23.	can choose and use the available methods of feeding a patient (oral, tube, nutritional stoma)	P6U_U	P6S_UW
C.U24.	can move and position a patient using various techniques, methods and equipment, while applying the principles of patient and self-safety	P6U_U	P6S_UW
C.U25.	can issue orders for medical products as part of a continuation of a medical order	P6U_U	P6S_UW
C.U26.	can perform respiratory exercises and positional drainage, inhalation and mucus removal	P6U_U	P6S_UW
C.U27.	can administer oxygen to a patient on an ad hoc basis using various methods and participate in oxygen therapy using access to a central medical gas installation, oxygen cylinder or oxygen concentrator	P6U_U	P6S_UW
C.U28.	can perform rubbing, tapping, passive and active exercises	P6U_U	P6S_UW
C.U29.	can perform hygienic procedures with a child and an adult, provide care for skin, its appendages and mucous membranes using pharmacological means and medical materials, including provision of medicinal baths	P6U_U	P6S_UW
C.U30.	can assess the risk of developing pressure ulcers and implement prophylactic activities	P6U_U	P6S_UW
C.U31.	can perform rectal procedures	P6U_U	P6S_UW
C.U32.	can care for intestinal and urinary stomas, including applying the principles and techniques of inserting and replacing a stoma bag and stoma care products	P6U_U	P6S_UW
C.U33.	can place a catheter into the bladder, monitor diuresis, remove the catheter and provoke micturition	P6U_U	P6S_UW
C.U34.	can insert a nasogastric tube into the stomach, monitor its position and patency, remove the tube and replace the PEG (low-profile balloon gastrostomy)	P6U_U	P6S_UW

TABLE of LEARNING OUTCOMES

C.U35.	can issue orders for foodstuffs for special nutritional uses	P6U_U	P6S_UW
C.U36.	can select the type and technique of applying bandages and other dressing materials and apply them	P6U_U	P6S_UW
C.U37.	can don surgical clothing	P6U_U	P6S_UW
C.U38.	can apply a dressing to a wound, change it or remove it	P6U_U	P6S_UW
C.U39.	can remove stitches from a wound	P6U_U	P6S_UW
C.U40.	can keep medical documentation, including in electronic form, and use and secure it according to the applicable law	P6U_U	P6S_UW
C.U41.	can provide first aid in situations of immediate threat to health and life	P6U_U	P6S_UW
C.U42.	can temporarily immobilize broken bones, dislocations and sprains and prepare the patient for transport	P6U_U	P6S_UW
C.U43.	can temporarily stop bleeding and haemorrhage	P6U_U	P6S_UW
C.U44.	can assess the health potential of a patient and their family with the use of measurement tools	P6U_U	P6S_UW
C.U45.	can assess the psychophysical development of a child, perform screening tests and detect developmental disorders	P6U_U	P6S_UW
C.U46.	can assess the health situation of an adult requiring assistance within primary healthcare and establish an action plan	P6U_U	P6S_UW
C.U47.	can choose methods and forms of disease prophylaxis / prevention, help shape health behaviour of various social groups, and devise and implement individual health promotion programs for patients, their families and social groups	P6U_U	P6S_UW
C.U48.	can recognise circumstances behind a patient's health activity and lifestyle influenced risk factors for illnesses	P6U_U	P6S_UW
C.U49.	can organize the isolation of patients with infectious diseases in public places and at home	P6U_U	P6S_UW
C.U50.	can implement an individual healthcare plan (IHP) for the care of a patient and coordinate individual care in the patient's living environment	P6U_U	P6S_UW
C.U51.	can plan care for a patient and their family using the classifications of nursing practice (ICNP, NANDA), assessment of care and nursing capacity and environmental ecomap	P6U_U	P6S_UW
C.U52.	can prepare records of prescription forms of medicinal substances as part of continuing treatment	P6U_U	P6S_UW
C.U53.	can teach a patient to monitor their own health	P6U_U	P6S_UW

TABLE of LEARNING OUTCOMES

C.U54.	can provide health services within primary healthcare	P6U_U	P6S_UW
C.U55.	can assess the living, educational and work environment in terms of recognising health problems and planning care	P6U_U	P6S_UW
C.U56.	can assess the nutritional status of the body with the use of anthropometric, biochemical and medical interview methods, and provide nutritional counselling	P6U_U	P6S_UW
C.U57.	can apply and order therapeutic diets	P6U_U	P6S_UW
C.U58.	can select foods for particular nutritional uses and issue prescriptions for them as part of the execution of medical orders, and provide information on their use	P6U_U	P6S_UW
C.U59.	can make decisions regarding the selection of working methods and cooperation in a team	P6U_U	P6S_UO
C.U60.	can monitor risks in the work of a nurse and factors contributing to the occurrence of occupational diseases and accidents at work	P6U_U	P6S_UO
C.U61.	can participate in developing nursing practice standards and procedures and monitor the quality of nursing care	P6U_U	P6S_UO
C.U62.	can supervise and evaluate the work of subordinate personnel	P6U_U	P6S_UO
C.U63.	can plan their own professional development and develop active job search skills, as well as analyse various forms of the professional activity of a nurse	P6U_U	P6S_UU
C.U64.	can conduct the medical interview of the patient, analyse and interpret the results	P6U_U	P6S_UW
C.U65.	can select and apply clinimetric tools to assess the patient's condition	P6U_U	P6S_UW
C.U66.	can identify and interpret fundamental differences in the examination of a child and an adult, as well as an elderly person	P6U_U	P6S_UW
C.U67.	can use the methods of physical examination to assess physiological and pathological functions of the skin, senses, head, chest, breasts (examination and self-examination), abdomen, genitals, cardiovascular system, respiratory system, peripheral circulatory system, musculosceletal system, neurological system, and document the findings of the physical examination and use them to assess the patient's health	P6U_U	P6S_UW
C.U68.	can conduct a comprehensive physical examination of the patient, document the results of the examination and analyse them for the needs of nursing care, apply a comprehensive assessment of the patient's health status according to the 4-A scheme (Analgesia, Activity of daily living, Adverse effects, Aberrant behaviours), use the PES system of describing the diagnosis of the patient's health condition for the needs of nursing care, and assess the	P6U_U	P6S_UW

TABLE of LEARNING OUTCOMES

	completeness of the collected information regarding the patient's health situation according to the SOAP scheme (Subjective, Objective, Assessment, Plan/Protocol)		
C.U69.	can collect data on the patient's health using digital technologies	P6U_U	P6S_UW
C.U70.	can perform an ECG test on patients of different ages at rest, interpret the components of a correct bioelectric heart function record, recognize disorders threatening health and life	P6U_U	P6S_UW
C.U71.	can perform a spirometry test and make a preliminary assessment of the test result on patients of different ages and health conditions	P6U_U	P6S_UW
C.U72.	can implement principles of procedures preventing infections related to healthcare and combating them	P6U_U	P6S_UW
C.U73.	can apply the principles of prevention of catheter-related blood infections, hospital pneumonia, urinary tract infections, Clostridioides difficile gastrointestinal infections, surgical site infections, chronic wound infections and systemic infection	P6U_U	P6S_UW
C.U74.	can use personal protection equipment necessary to protect oneself, patients and colleagues against infections related to healthcare, and implement the appropriate type of patient isolation	P6U_U	P6S_UW
C.U75.	can interpret and apply functional assumptions of information systems in healthcare with the use of advanced methods and information technologies in the provision and contracting of health services	P6U_U	P6S_UW
C.U76.	can use medical records and observe the principles of security and confidentiality of medical information as well as principles of personal data protection of intellectual property rights	P6U_U	P6S_UW
C.U77.	can use sign language and other methods and means of communication in the care of a hearing-impaired or deaf patient	P6U_U	P6S_UK
C.U78.	can use tools used in telemedicine and e-health systems	P6U_U	P6S_UW
C.U79.	can document the patient's health situation, the dynamics of its changes and the nursing care provided, taking into account ICT tools for data collection	P6U_U	P6S_UW
C.U80.	can support the patient in the use of ICT systems for self-care in health and illness	P6U_U	P6S_UW
D. SPECIALIZED HEALTHCARE SCIENCES			
D.U1.	can collect information, formulate a nursing diagnosis, set goals and plan for nursing care, implement nursing interventions and evaluate nursing care	P6U_U	P6S_UW
D.U2.	can use scales and questionnaires to assess the patient's condition or functional capacity in specific health situations	P6U_U	P6S_UW

TABLE of LEARNING OUTCOMES

D.U3.	can measure vital signs using various techniques (including blood pressure in the arteries of the upper and lower extremities, respiration, body temperature, saturation, consciousness) and evaluate the results and use them to plan care in various clinical conditions	P6U_U	P6S_UW
D.U4.	can conduct a comprehensive medical interview and physical examination in various clinical conditions to plan and implement nursing care	P6U_U	P6S_UW
D.U5.	can assess the level of pain, the patient's reaction to pain and its severity, and apply pharmacological and non-pharmacological pain management	P6U_U	P6S_UW
D.U6.	can assist a doctor during diagnostic tests of body cavities (abdominal puncture, pleural puncture, bone marrow sampling, lumbar puncture) and endoscopy	P6U_U	P6S_UW
D.U7.	can prepare and administer medicines to patients in various ways, in accordance with the professional qualifications of a nurse or per written order of the doctor in specific clinical conditions and medicinal products from life-saving shock kits	P6U_U	P6S_UW
D.U8.	can issue prescriptions for medicines as part of the implementation of doctor's orders in specific clinical conditions	P6U_U	P6S_UW
D.U9.	can recognize complications of pharmacological, dietary, medical and nursing treatment	P6U_U	P6S_UW
D.U10.	can choose and conduct diet therapy and conduct enteral nutrition (through a nasogastric tube and a stoma) and parenteral nutrition in adults and children	P6U_U	P6S_UW
D.U11.	can prevent complications occurring in the course of diseases	P6U_U	P6S_UW
D.U12.	can provide self-care counselling for patients of various ages and health regarding developmental defects, diseases and mental disorders, including addictions, taking into account the families of these patients	P6U_U	P6S_UW
D.U13.	can conduct bedside rehabilitation and activation using elements of occupational therapy	P6U_U	P6S_UW
D.U14.	can teach the patient, their family or carer how to choose and use nursing and rehabilitation equipment and medical devices	P6U_U	P6S_UW
D.U15.	can conduct a therapeutic conversation	P6U_U	P6S_UW
D.U16.	can use methods of communication with a patient who is unable to establish and maintain effective communication due to their health condition or treatment	P6U_U	P6S_UW
D.U17.	can communicate with the members of an interprofessional team as concerns obtaining and transmitting information about the patient's health	P6U_U	P6S_UK

TABLE of LEARNING OUTCOMES

D.U18.	can organize the isolation of patients with an infection or an infectious disease in healthcare entities	P6U_U	P6S_UW
D.U19.	can administer oxygen to the patient when required and monitor their condition during oxygen therapy in various clinical states	P6U_U	P6S_UW
D.U20.	can perform an electrocardiographic examination with patients of various ages at rest and recognise life-threatening conditions	P6U_U	P6S_UW
D.U21.	can calculate mealtime insulin doses taking into account the patient's test results, including modifying a fixed dose of insulin	P6U_U	P6S_UW
D.U22.	can prepare the patient physically and mentally for diagnostic tests and emergency and elective surgery	P6U_U	P6S_UW
D.U23.	can recognize complications after specialist diagnostic tests and surgical procedures	P6U_U	P6S_UW
D.U24.	can choose the techniques and methods of wound care, including removal of sutures and application of specialist dressings	P6U_U	P6S_UW
D.U25.	can choose methods and means of wound care based on their classification	P6U_U	P6S_UW
D.U26.	can care for a patient with an intestinal stoma or urostomy	P6U_U	P6S_UW
D.U27.	can transfer a patient, in accordance with procedures, to the operating theatre for invasive tests or admit a patient from the operating theatre after invasive tests, transfer a patient from the ward to another ward, laboratory, medical entity, and provide information about the patient in accordance with the principles of the SBAR protocol (Situation, Background, Assessment, Recommendation)	P6U_U	P6S_UW
D.U28.	can ensure the safety of a woman and child in the event of a sudden delivery	P6U_U	P6S_UW
D.U29.	can assess the functional capabilities and deficits of an elderly person in everyday life, using scales included in the comprehensive geriatric assessment	P6U_U	P6S_UW
D.U30.	can recognize the risk of frailty syndrome in an elderly person, using recommended assessment scales and, on that basis, establish priorities for nursing care and prophylactic actions to prevent the deepening of functional deficits	P6U_U	P6S_UW
D.U31.	can use BLS and ALS resuscitation algorithms in accordance with PRC and ERC guidelines	P6U_U	P6S_UW
D.U32.	can maintain medical records in a hospital emergency room in accordance with the provisions of the law	P6U_U	P6S_UW
D.U33.	can use the triage system in a hospital emergency room	P6U_U	P6S_UW

TABLE of LEARNING OUTCOMES

D.U34.	can analyse and critically assess the needs of patients requiring increased medical care (elderly, infirm, lonely, chronically ill and requiring the use of direct coercion) in a hospital emergency room and respond to these needs, adapting nursing interventions to them	P6U_U	P6S_UW
D.U35.	can prepare a patient for medical transport and provide care during that transport	P6U_U	P6S_UW
D.U36.	can apply nursing procedures in life- and health-threatening conditions	P6U_U	P6S_UW
D.U37.	can apply guidelines for clinical conditions in a hospital emergency room	P6U_U	P6S_UW
D.U38.	can care for a patient with an endotracheal or a tracheostomy tube and a mechanically ventilated patient	P6U_U	P6S_UW
D.U39.	can perform open or closed bronchial toilet in a patient in specific clinical conditions	P6U_U	P6S_UW
D.U40.	can care for peripheral and central venous and arterial vascular access	P6U_U	P6S_UW
D.U41.	can recognize agony and care for a dying patient	P6U_U	P6S_UW
D.U42.	can handle the body of a deceased patient in accordance with the procedures	P6U_U	P6S_UW
D.U43.	can conduct a patient assessment as part of the qualification procedure for admission to long-term care services (home, day and stationary)	P6U_U	P6S_UW
D.U44.	can plan, organize and coordinate the process of providing health services to patients of long-term nursing home care, day care or staying in stationary long-term care facilities	P6U_U	P6S_UW
D.U45.	can use organizational innovations and the latest medical and digital technologies in long-term care	P6U_U	P6S_UW
D.U46.	can critically analyse published research results and indicate the possibilities of their use in the professional practice of a nurse	P6U_U	P6S_UU
D.U47.	can apply legal regulations within copyright and intellectual property protection law in the professional activity of a nurse	P6U_U	P6S_UW
SOCIAL COMPETENCES			
K1.	is ready to be guided by the good of a patient, respect the dignity and autonomy of persons under their care, show understanding for worldview and cultural differences and empathise with a patient, their family or carer	P6U_K	P6S_KR
K2.	is ready to respect the rights of the patient and the principles of humanism	P6U_K	P6S_KR

TABLE of LEARNING OUTCOMES

K3.	is ready to independently and reliably pursue the profession in accordance with the principles of ethics, including observance of moral values and obligations in patient care	P6U_K	P6S_KR
K4.	is ready to take responsibility for the professional activities performed	P6U_K	P6S_KO
K5.	is ready to seek expert opinion in the case of difficulties in solving a problem on their own	P6U_K	P6S_KK
K6.	is ready to predict and take into account factors influencing their own and the patient's reactions	P6U_K	P6S_KK
K7.	is ready to notice and recognise own limitations as concerns knowledge, skills and social competences, and to self-diagnose own educational deficits and needs	P6U_K	P6S_KK

Field of science	Scientific discipline	Learning outcomes (symbol)	No. of outcomes
medical and health sciences	**medical sciences** *(leading discipline)*	A.W1.; A.W2.; A.W3.; A.W4.; A.W5.; A.W6.; A.W7.; A.W8.; A.W9.; A.W10.; A.W11.; A.W12.; A.W13.; A.W14.; A.W15.; A.W16.; A.W17.; A.W18.; A.W20.; A.W21.; A.W22.; A.W23.; A.W24.; A.W25.; A.W26.; A.W27.; A.W28.; A.W29.; A.U1.; A.U2.; A.U3.; A.U4.; A.U5.; A.U6.; A.U7.; A.U8.; A.U9.; A.U10.; A.U11.; A.U12.; A.U13.; A.U14.; A.U15.; B.W3.; C.W7.; C.W8.; C.W9.; C.W10.; C.W11.; C.W12.; C.W21.; C.W22.; C.W24.; C.W36.; C.W37.; C.W38.; C.W39.; C.W40.; C.W41.; C.W42.; C.W43.; C.W44.; C.W45.; C.W46.; C.W47.; C.W48.; C.U1.; C.U2.; C.U3.; C.U4.; C.U5.; C.U6.; C.U9.; C.U10.; C.U11.; C.U12.; C.U13.; C.U14.; C.U15.; C.U16.; C.U17.; C.U18.; C.U19.; C.U20.; C.U21.; C.U22.; C.U23.; C.U25.; C.U26.; C.U27.; C.U30.; C.U31.; C.U32.; C.U33.; C.U34.; C.U36.; C.U38.; C.U39.; C.U40.; C.U41.; C.U42.; C.U43.; C.U52.; C.U57.; C.U58.; C.U64.; C.U65.; C.U66.; C.U67.; C.U68.; C.U70.; C.U71.; C.U73.; D.W2.; D.W3.; D.W4.; D.W5.; D.W6.; D.W7.; D.W8.; D.W11.; D.W12.; D.W13.; D.W14.; D.W15.; D.W16.; D.W17.; D.W18.; D.W19.; D.W21.; D.W22.; D.W24.; D.W27.; D.W28.; D.W29.; D.W30.; D.W31.; D.W32.; D.W35.; D.W36.; D.W37.; D.W38.; D.W39.; D.W40.; D.W41.; D.W42.; D.W43.; D.W44.; D.W46.; D.W47.; D.U1.; D.U2.; D.U3.; D.U4.; D.U5.; D.U6.; D.U7.; D.U8.; D.U9.; D.U10.; D.U11.; D.U12.; D.U13.; D.U14.; D.U15.; D.U16.; D.U17.; D.U18.; D.U19.; D.U20.; D.U21.; D.U22.; D.U23.; D.U24.; D.U25.; D.U26.; D.U27.; D.U28.; D.U29.; D.U30.; D.U31.; D.U32.; D.U33.; D.U34.; D.U35.; D.U36.; D.U37.; D.U38.; D.U39.; D.U40.; D.U41.; D.U42.; D.U43.; D.U44.; K5.	195/362

TABLE of LEARNING OUTCOMES

	health sciences	A.W19.; A.U16.; B.W1.; B.W2.; B.W4.; B.W5.; B.W6.; B.W7.; B.W8.; B.W9.; B.W10.; B.W11.; B.W12.; B.W13.; B.W14.; B.W15.; B.W16.; B.W17.; B.W18.; B.W19.; B.W20.; B.W21.; B.W22.; B.W23.; B.W24.; B.W25.; B.W26.; B.W27.; B.W28.; B.W29.; B.W30.; B.W31.; B.W32.; B.W33.; B.W34.; B.W35.; B.W36.; B.W37.; B.W38.; 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.U1.; B.U2.; B.U3.; B.U4.; B.U5.; B.U6.; B.U7.; B.U8.; B.U9.; B.U10.; B.U11.; B.U12.; B.U13.; B.U14.; B.U15.; B.U16.; B.U17.; B.U18.; B.U19.; B.U20.; B.U21.; B.U22.; B.U23.; B.U24.; B.U25.; C.W1.; C.W2.; C.W3.; C.W4.; C.W5.; C.W6.; C.W13.; C.W14.; C.W15.; C.W16.; C.W17.; C.W18.; C.W19.; C.W20.; C.W23.; C.W25.; C.W26.; C.W27.; C.W28.; C.W29.; C.W30.; C.W31.; C.W32.; C.W33.; C.W34.; C.W35.; C.W49.; C.W50.; C.W51.; C.W52.; C.W53.; C.W54.; C.W55.; C.U7.; C.U8.; C.U24.; C.U28.; C.U29.; C.U35.; C.U37.; C.U44.; C.U45.; C.U46.; C.U47.; C.U48.; C.U49.; C.U50.; C.U51.; C.U53.; C.U54.; C.U55.; C.U56.; C.U59.; C.U60.; C.U61.; C.U62.; C.U63.; C.U69.; C.U72.; C.U74.; C.U75.; C.U76.; C.U77.; C.U78.; C.U79.; C.U80.; D.W1.; D.W9.; D.W10.; D.W20.; D.W23.; D.W25.; D.W26.; D.W33.; D.W34.; D.W45.; D.W48.; D.W49.; D.W50.; D.W51.; D.W52.; D.W53.; D.U45.; D.U46.; D.U47.; K1.; K2.; K3.; K4.; K6.; K7.	167/362