

## Appendix 2

### Detailed course description

Field of study: NURSING/level: **second cycle**

No.	ECTS	Course name	Short description	Course delivery
1.	2.5	<b>Care and therapeutic education in chronic diseases: acute and chronic pain (including pain therapy in adults)</b>	The course "Care and therapeutic education in chronic diseases: acute and chronic pain" prepares nursing students for comprehensive care of patients with pain. It covers the pathophysiology of pain, methods of its assessment, and pharmacological and non-pharmacological forms of pain therapy in adults. It emphasises the role of nurses in monitoring the effectiveness of treatment, preventing complications and improving the patient's quality of life. An important element of the course is therapeutic education for patients and their families on how to cope with acute and chronic pain.	According to the study plan: <b>winter semester</b> / students have the option of completing the course individually
2.	3	<b>Care and therapeutic education in chronic diseases: enteral and parenteral nutrition therapy</b>	The course "Care and therapeutic education in chronic diseases – enteral and parenteral nutrition" aims to prepare nursing students to provide specialist care to patients requiring nutritional support. It covers issues related to patient eligibility, enteral and parenteral nutrition techniques, and monitoring their effectiveness and safety. Students acquire skills in planning nursing care, preventing complications, and educating patients and their families. The course emphasises interdisciplinary cooperation and the role of nurses in the long-term treatment of chronic diseases.	According to the study plan: <b>winter semester</b> /students have the option of completing the course individually

3.	3	<b>Health crisis and coping with suffering in illness</b>	The course "Health crisis and ways of coping with suffering in illness" aims to familiarise nursing students with the psychological, social and spiritual aspects of illness. It includes an analysis of the patient's response to a health crisis and mechanisms for coping with suffering and stress caused by illness. Students learn to recognise patients' needs in extreme situations and the principles of providing therapeutic support. The course develops empathy, communication skills and a holistic approach to nursing care.	According to the study plan: <b>winter semester</b> / students may complete the course individually
4.	1	<b>Clinical immunology</b>	Presentation of the basics and selected issues in clinical immunology, discussion of diagnostic methods, treatment and prevention of diseases that are manifestations of immune system dysfunction.	According to the study plan: <b>winter semester</b> / students may complete the course individually
5.	1,5	<b>Care and therapeutic education in chronic diseases – chronic respiratory diseases (respiratory failure, chronic obstructive pulmonary disease)</b>	The subject 'Care and therapeutic education in chronic diseases' in the area of respiratory diseases focuses on comprehensive nursing care for patients with respiratory failure and COPD. It covers knowledge of the pathophysiology of diseases, respiratory monitoring, oxygen therapy, respiratory rehabilitation and prevention of exacerbations. An important element is the preparation of nurses to provide therapeutic education to patients and their families in the areas of self-care, inhalation techniques, physical activity and lifestyle modification. The course develops skills in early recognition of health deterioration and responding to life-threatening situations. It also emphasises psychological support for the chronically ill, improving quality of life and cooperation in an interdisciplinary team. <b>Clinical classes at the patient's bedside.</b>	According to the study plan: <b>winter semester</b> / students may complete the course individually

6.	2,5	<p><b>Care and therapeutic education in chronic diseases – diabetes (care for patients with diabetes and education on diabetes)</b></p>	<p>The subject 'Care and therapeutic education in chronic diseases – diabetes' focuses on comprehensive nursing care for patients with diabetes at various stages of the disease. It covers the principles of health monitoring, glycaemic control, insulin administration and prevention of acute and chronic complications. An important element is the therapeutic education of patients and their families in self-monitoring, diet, physical activity, and lifestyle modification. The course develops nurses' communication skills, supporting the motivation of patients to follow recommendations and increase their independence in treatment. The training emphasises the role of nurses as educators, carers and members of the therapeutic team in long-term care. <b>Clinical classes at the patient's bedside.</b></p>	<p>According to the study plan: <b>winter semester/</b> students may complete the course individually</p>
7.	6	<p><b>Care and therapeutic education in chronic diseases – chronic cardiovascular diseases: circulatory failure, cardiac arrhythmia, hypertension</b></p>	<p>The subject 'Care and therapeutic education in chronic diseases – cardiovascular diseases' focuses on preparing nursing students to provide comprehensive care for patients with heart failure, cardiac arrhythmias and hypertension. It covers knowledge of the pathophysiology of cardiovascular diseases, clinical symptoms, diagnostics, and pharmacological and non-pharmacological treatment methods. An important element of the course is the development of skills in monitoring the patient's condition, assessing the risk of complications, and responding early to deterioration in health. Great emphasis is placed on therapeutic education of the patient and their family, including promoting self-monitoring, lifestyle modification and adherence to therapeutic recommendations. The course also develops the communication and care skills necessary for the long-term care of people with chronic cardiovascular diseases. <b>Clinical classes at the patient's bedside.</b></p>	<p>According to the study plan: <b>winter semester/</b> students may complete the course individually</p>

8.	2	<b>Motivation as a factor influencing the attitude of patients and medical staff</b>	Motivation as a factor influencing the attitude of patients and medical staff refers to the role of internal and external stimuli shaping health behaviours, involvement in the treatment process and the quality of nursing care. The course focuses on motivational mechanisms influencing patient cooperation with medical staff and the satisfaction and effectiveness of nurses' work. It discusses the importance of communication, empathy and emotional support in building positive attitudes and therapeutic relationships. The aim of the course is to develop skills to strengthen the motivation of patients and staff in order to improve treatment outcomes and quality of care.	According to the study plan: <b>summer</b> semester/students may complete the course individually
9.	2	<b>Nursing care for chronically ill patients – selected psychological aspects</b>	Discussion of issues in health psychology and clinical psychology relevant to understanding the psychological situation of chronically ill patients. Characterisation of adaptive mechanisms in chronic illness and selected chronic pain syndromes. Understanding the psychological mechanisms underlying diverse human behaviours in illness and the psychosocial consequences of chronic diseases for the patient and their family.	According to the study plan: <b>summer</b> semester/students may complete the course individually.
10.	3	<b>Care and therapeutic education in chronic diseases – kidney diseases (renal replacement therapy, including dialysis therapy)</b>	Care and therapeutic education in chronic kidney disease focuses on supporting patients in self-management of their condition and adaptation to renal replacement therapy, including dialysis. The nurse acts as an educator, instructing the patient on diet, compliance with medical recommendations, and catheter and vascular access hygiene. An important element is the monitoring of vital signs and symptoms of complications, which allows for early intervention and improvement in the patient's quality of life. Therapeutic education also includes psychological support, helping patients cope with the stress associated with chronic illness. The goal of nursing is a holistic approach, combining prevention, education, and the safe administration of renal replacement therapy. <b>Clinical classes at the patient's bedside.</b>	According to the study plan: <b>summer</b> semester/students may complete the course individually.

11.	2	<b>Computer science and information technology as part of the educational space of health sciences</b>	A review of the fundamentals of computer science, which are reflected in the modern world and will later be used by students as a basis for learning and developing skills in subsequent semesters. An overview of contemporary possibilities for acquiring information and issues related to its critical evaluation. Preparing students to use information and communication technologies (ICT) efficiently in their professional and personal lives.	According to the study plan: <b>summer</b> semester/students may complete the course individually
12.	3	<b>Pharmacology and prescribing medicinal products</b>	Presentation of indications for proper pharmacotherapy in selected diseases. Characteristics of individual groups of drugs and indication of their therapeutic applications. Discussion of the combination of individual groups of medicinal products, taking into account their mechanisms of action, principles of prescribing and adverse effects. Mastering the skills of prescribing medicines, special-purpose nutritional products and medical devices, including the ability to issue prescriptions or orders for them. Presentation of the legal basis and regulations for the correct prescription by nurses of medicines, foods for special nutritional purposes and medical devices, including the ability to issue prescriptions or orders for them. Presentation of the procedure for reporting adverse drug reactions. Acquisition by the student of the ability to use professional sources of knowledge. Encouraging students to develop a professional approach to the marketing strategies of the pharmaceutical industry and the advertising of its products.	According to the study plan: <b>summer</b> semester/students may complete the course individually