

Course description

Part 1

General information about the course			
1. Major of study: NURSING		2. Study level: the first degree study / practical profile	
		3. Form of study: full-time studies	
4. Year: 2nd year/ cycle 2026-2029		5. Semester: III and IV	
6. Course name: Internal diseases and internal nursing.			
7. Course status: obligatory			
8. Course contents and assigned learning outcomes:			
C1 - To provide the knowledge necessary to recognize the needs of an individual, group or collective and to identify the resources necessary and available to meet them.			
C2 - To develop the ability to plan and implement nursing care, taking into account the nursing process method and priorities of care.			
C3 - Preparation for the provision of preventive, diagnostic, therapeutic rehabilitation and educational services in accordance with current legislation.			
C4 - Formation of skills of health promotion and education.			
C5 - Formation of sensitivity and responsibility towards a sick person.			
Learning outcomes/reference to learning outcomes indicated in the standards:			
in terms of knowledge, the student knows and understands: D.W1, D.W2, D.W3, D.W4, D.W5, D.W6, D.W7, D.W8, D.W9, D.W10, in terms of skills the student can: D.U1, D.U2, D.U3, D.U4, D.U10, D.U11, D.U12, D.U13, D.U14, D.U15, D.U18, D.U20, D.U22, D.U23, D.U26, in terms of social competence, the student is ready to: section 1.3 general learning outcomes.			
9. Number of hours for the course	190	10. Number of ECTS points for the course	7
11. Form of passing the course: exam			
12. Methods of verification and evaluation of learning outcomes			
Learning outcomes	Methods of verification	Methods of evaluation*	
Knowledge	Exam - selection test.	*	
Skills	Credit points based on class attendance and observation of the student's acquired skills during practical classes. The student obtains credits for: nursing process paper, therapeutic education paper, practical exam on procedures used in the internal medicine department, colloquia.	*	
Competencies	Observation.	*	

* The following evaluation system has been assumed:

Very good (5,0) – the assumed learning outcomes have been achieved and significantly exceed the required level

Better than good (4,5) – the assumed learning outcomes have been achieved and significantly exceed the required level

Good (4,0) – the assumed learning outcomes have been achieved at the required level

Better than satisfactory (3,5) – the assumed learning outcomes have been achieved at the average required level

Satisfactory (3,0) – the assumed learning outcomes have been achieved at the minimum required level

Unsatisfactory (2,0) – the assumed learning outcomes have not been achieved

Course description

Part 2

Other useful information about the course		
<p>13. Name of Department, mailing address, e-mail: 1/ Department of Internal Medicine, Metabolic Diseases and Angiology Faculty of Health Sciences in Katowice address: 40-635 Katowice, Ziołowa 45/47 Street, Head of Department: Prof. Agata Stanek, MD, PhD (astanek@sum.edu.pl) sekretariat apokiewicz@sum.edu.pl website address: www.kchwm.sum.edu.pl 2/ 2nd Department of Cardiology, Faculty of Health Sciences in Katowice address: 40-635 Katowice, Ziołowa 45/47 Street, tel. 032 252 74 07 e-mail: gcm-kk2@sum.edu.pl; amanka@sum.edu.pl website address: www.klinkardwnoz.sum.edu.pl Head of Department: Prof. Grzegorz Smolka 3/ Department of Internal Nursing, Faculty of Health Sciences in Katowice, Medical University of Silesia in Katowice address: 40-635 Katowice, Ziołowa 45/47 Street, tel. 032 3598277; bhornik@sum.edu.pl website address: zpi.sum.edu.pl Head of Department: dr hab. Beata Hornik</p>		
<p>14. Name of the person responsible for the implementation of the course/course coordinator: Leszek Kędzierski, PhD Andrzej Kułach, MD, PhD Kinga Maciejczyk, MA, Anna Waluś-Pelan, MA</p>		
<p>15. Prerequisites for knowledge, skills and other competencies: Knowledge and skills in anatomy, physiology, pathology, physical examination, fundamentals of nursing, ethics of the profession, psychology, reliability, responsibility</p>		
16. Number of students in groups	In accordance with the Order of the Rector of SUM	
17. Course materials / teaching resources	printout of lecture outline, textbooks, scientific articles, scripts, teaching plans, multimedia projector, inhalation spysers, PEF meters, inhalers, nebulisers, glucometers, penes, 24-hour blood pressure measurement device,	
18. Location of classes	Department of Internal and Metabolic Diseases, Department of Cardiology, Department of Pneumonology, Department of Geriatrics.	
19. Location and time of consultation	Department of Internal Medicine Nursing - According to the schedule of consultations posted on the units' websites (GCM Katowice - Ochojec, room 122)	
20. Learning outcomes		
Number of the course learning outcome	Course learning outcomes	Reference to learning outcomes indicated in the standards
P_W01	characterise the etiopathogenesis, clinical manifestations, course, treatment, prognosis and principles of nursing care of patients in selected diseases	D.W2
P_W02	discuss the aging process in biological, psychological, social economic terms	D.W9

P_W03	analyse the patient's reactions to illness, hospital admission and hospitalisation	D.W8
P_W04	discuss risk factors and health risks in patients of different ages	D.W1
P_W05	characterize the properties of drug groups and their effects on the systems and organs of the patient in various diseases according to age and health status, including side effects, interactions with other drugs and routes of administration	D.W6
P_W06	discuss the principles of diagnosing and planning patient care in internal medicine nursing	D.W3
P_W07	classify types of diagnostic tests and discuss the principles of ordering them	D.W4
P_W08	characterise the principles of organization of specialised care in the department of internal medicine	D.W10
P_W09	discuss the principles of preparing patients of different ages and health status for examinations and diagnostic procedures, as well as the principles of care during and after these examinations and procedures	D.W5
P_W10	characterise nursing standards and procedures used in caring for patients of different ages and health conditions	D.W7
P_U01	collect information, formulate a nursing diagnosis, set objectives and plan nursing care, implement nursing interventions, and evaluate nursing care	D.U1
P_U02	perform electrocardiography and recognise life-threatening disorders	D.U10
P_U03	prepare the patient physically and mentally for diagnostic tests	D.U12
P_U04	modify the fixed dose of rapid- and short-acting insulin	D.U11
P_U05	document the patient's health situation, the dynamics of its changes and nursing care implemented, including IT tools for data collection	D.U15
P_U06	provide counselling on self-care for patients of different ages and health status in relation to malformations, illnesses and addictions	D.U2
P_U07	Conduct prevention of complications occurring in the course of diseases	D.U3
P_U08	issue referrals for certain diagnostic tests	D.U13
P_U09	prepare records of prescription forms of medicinal substances as part of the continuation of treatment	D.U14
P_U10	organise the isolation of patients with infectious disease in public places and in the home environment	D.U4
P_U11	recognize complications of pharmacological, dietary, rehabilitation and therapeutic and nursing treatment	D.U18
P_U12	Conduct a therapeutic conversation	D.U20
P_U13	provide members of the therapeutic team with information on the patient's condition	D.U22
P_U14	assist the doctor during diagnostic tests	D.U23
P_U15	prepare and administer medications to patients by various routes, either independently or as ordered by a physician	D.U26
21. Forms and topics of classes		Number of hours
21.1. Lectures		25

Nursing process in diseases of the cardiovascular system.	4
The nursing process in diseases of the endocrine system.	4
The nursing process in diseases of the urinary and renal systems.	4
The nursing process in diseases of the respiratory system.	4
The nursing process in diseases of the digestive system.	4
Internal medicine	1
Differential diagnoses of basic symptoms of diseases in internal medicine.	1
Differential diagnosis of abdominal pain. Constipation. Diarrhea	1
Differential diagnosis of joint pain.	1
Nephrology	1
21.2. Seminars	15
Definition and etiopathogenesis, types of diabetes mellitus according to WHO, clinical presentation and natural course, auxiliary laboratory tests, diagnostic criteria (with numerical values), general principles of diabetes treatment.	1
Selected acute and chronic complications of diabetes mellitus.	1
Acute pancreatitis - definition and etiopathogenesis, clinical presentation and natural course, laboratory and imaging studies, diagnostic criteria, nutritional treatment, complications of acute pancreatitis.	1
Alcoholic liver disease - definition and etiopathogenesis, clinical presentation and natural course, laboratory and imaging studies, diagnostic criteria.	1
Liver cirrhosis - definition and causes, clinical presentation and natural course, auxiliary examinations - laboratory, imaging, endoscopic, histological, non-pharmacological and symptomatic treatment.	1
Peptic ulcer disease of the stomach and duodenum – definition, risk factors, clinical presentation and natural course. Treatment – general recommendations, complications. Gastrointestinal bleeding – definition and etiopathogenesis, clinical picture, diagnosis, laboratory and endoscopic examinations.	1
Clostridioides difficile infection – definition and etiopathogenesis, clinical presentation and natural history, treatment – general recommendations, complications – list, nonspecific methods of preventing this infection.	1
Coronary heart disease (CHD).	1
Arterial hypertension.	1
Heart failure, dyslipidemia.	1
Heart defects.	1
Care of patients with cardiac arrhythmias	1
Interpretation of basic abnormalities in the ECG recording.	1
Clinical symptoms, diagnosis, and treatment of respiratory diseases (bronchial asthma, COPD, respiratory failure, pneumonia, pulmonary embolism, lung cancer).	1
Prevention of respiratory diseases.	1
21.3. Classess	10
Acute kidney injury – definition and etiopathogenesis, clinical presentation and natural course,	3

auxiliary examinations – laboratory, imaging, treatment – general recommendations, causal treatment, renal replacement therapy – urgent indications..	
Chronic kidney disease – definition, causes, clinical presentation – discuss in detail 10 points from the textbook, diagnostic criteria, auxiliary examinations – laboratory and imaging, renal replacement therapy – preparation – including vascular access, methods, contraindications	2
Coronary heart disease. Arterial hypertension. Heart failure, dyslipidemia. Heart defects Care of patients with cardiac arrhythmias. Interpretation of basic ECG abnormalities.	3
Clinical manifestations, diagnosis and treatment of respiratory diseases (bronchial asthma, COPD, pneumonia, lung cancer). Prevention of respiratory diseases.	2
21.4. Practical classes	120
<ul style="list-style-type: none"> - Nursing care models, standards, procedures and algorithms in the internal medicine unit. - Nursing process as a method of work in the department of internal diseases. - Professional confidentiality. - General principles of the nurse's communication with the patient. - Categorization of nursing care (KOP). - Prevention of hospital-acquired infections. - Management of anaphylactic shock. - Basic principles of treatment in internal diseases. Choice of route of drug administration. Principles of dosage.	10
<ul style="list-style-type: none"> - Nursing problems of patients and nursing interventions in respiratory diseases (bronchial asthma, COPD, pneumonia and pleurisy). - Participation of the nurse in the diagnosis and treatment of respiratory diseases. Preparation for diagnostic tests, i.e. spirometry, bronchoscopy, pleural puncture. Care of the patient after invasive procedures. <ul style="list-style-type: none"> - Principles of education of patients with respiratory diseases (bronchial asthma, COPD). - Primary and secondary prevention of respiratory diseases. - Principles and management of dyspnoea. Principles of oxygen administration. - Bronchial asthma - the process of nursing, monitoring the effectiveness of treatment. 	10
Nursing care of a patient with gastrointestinal disorders. <ul style="list-style-type: none"> - Nurse participation in the diagnosis of gastrointestinal disorders. Preparation of the patient for specialized non-invasive and invasive examinations of the gastrointestinal tract. Care of the patient after the examinations. - Nursing problems of patients and nursing interventions in diseases of the gastrointestinal tract- stomach, intestines, liver, pancreas (peptic ulcer disease of the stomach and duodenum, liver cirrhosis, pancreatitis, UC, Crohn's Disease). - Basics of dietary treatment in gastrointestinal diseases. - Prevention of diseases of the digestive system. 	10
<ul style="list-style-type: none"> - Nursing problems occurring in diabetic patients and nursing interventions in diabetes. - Management of acute complications of diabetes. Prevention of complications of diabetes. - Principles of diet in type 1 or type 2 diabetes. Use of carbohydrate exchangers and glycaemic index. - Insulin therapy- types of insulins, selection of dose and principles of insulin administration. - The importance of physical activity in the treatment of diabetes. - Elements of self-monitoring in diabetes. 	10

- Principles of therapeutic education. Standard of therapeutic education of patients in type 1 or type 2 diabetes.	
- Nursing a patient with cardiovascular diseases. Participation of the nurse in the diagnosis of cardiovascular diseases. Preparation of the patient for cardiovascular examinations (echocardiography, CT, MR, cardiac catheterization, coronary angiography, exercise test). - Principles of proper blood pressure measurement and interpretation of values. - The procedure for performing a resting ECG. Interpretation of basic abnormalities. - Methods of monitoring the condition of patients in cardiac diseases. - The nursing process in selected diseases of the cardiovascular system (coronary artery disease - stable and unstable, heart failure, cardiac rhythm and conduction disorders). - Prevention of cardiovascular diseases. - Models of rehabilitation after myocardial infarction. - Therapeutic education in cardiovascular diseases.	10
- Prevention and treatment of constipation. Standards of management of constipation. - Assessment of nutritional status. - Nursing problems and therapeutic education in eating disorders - obesity and malnutrition. - Patient education in selected internal medicine diseases- presentation. - Course credit.	10
- Recognising nursing problems and planning nursing interventions in osteoarticular and muscular diseases. - Nurse participation in the process of improvement and pharmacological and non-pharmacological treatment of patients with musculoskeletal dysfunction. - Nursing of patients with rheumatoid arthritis, osteoarthritis of the peripheral joints, ankylosing spondylitis. - Nursing care of patients with osteoporosis.	10
- Diagnostic tests in haematological disorders (haematological, biochemical tests, bone marrow puncture). - Principles of administration of cytostatics. Basic principles of radiological protection. Nursing of the patient undergoing radio- or chemotherapy. - Nursing problems in acute and chronic leukaemia. - Haemorrhagic septicaemia-nursing care. - Iron deficiency anaemia- the nursing process.	10
- Diagnostic tests in disorders of the urinary system (urinalysis - general, for culture, renal biopsy). - Standard of bladder catheterization and nursing of a patient with a Foley catheter in place. - Participation of the nurse in pharmacological and non-pharmacological treatment of kidney diseases (acute renal failure, chronic kidney disease). - Urinary incontinence. Problems of nursing and rehabilitation. - Colloquium 1.	10
- Nursing care of patients with endocrine disorders (hyper- and hypothyroidism, adrenal hyper- and hypothyroidism, metabolic syndrome). - Educational guidelines for patients with endocrine disorders. - Urinary tract infections - prevention. - Nephrolithiasis - management during colic attack and during asymptomatic periods.	10
- Nursing problems in connective tissue diseases (systemic scleroderma, systemic lupus erythematosus). - Nursing care of the patient with gout.	10

- Educational guidelines for patients with connective tissue disorders. - Colloquium 2. - Credit for nursing procedures.		
21.5 Medical Simulations	10	
Participation of the nurse in the diagnostic, therapeutic and nursing in selected metabolic, cardiovascular, respiratory, gastrointestinal, urinary diseases - a case study.	10	
21.6 Self-study	20	
22. Readings		
1. McMaster Textbook of Internal Medicine - electronic version		
23. . Detail evaluation criteria		
As recommended by the controlling bodies. Passing the course - the student has achieved the assumed learning outcomes. Detailed criteria for passing and evaluation of the course are provided in the course regulations.		