

Course description

Part 1

General information about the course		
1. Major of study: Nursing	2. Study level: unified MSc 3. Form of study: intramural	
4. Year: II (2022/2025)	5. Semester: III and IV	
6. Course name: Pediatrics and pediatric nursing		
7. Course status: required		
8. Course contents and assigned learning outcomes		
C1 Transfer of knowledge about the causes, clinical picture and treatment of a child with respiratory, digestive, urinary, nervous, hematopoietic, circulatory diseases		
C2 Providing knowledge and skills in the preparation and management of diagnostic tests		
C3. Shaping positive health behaviors in children and their parents		
C4. Discussion of the nutrition guidelines for healthy and sick children		
C5 Providing knowledge and enabling the acquisition of skills in nursing care for a child with respiratory, digestive, urinary, nervous, hematopoietic, circulatory diseases		
C6. Developing skills in nursing care in metabolic, allergic and infectious diseases		
C7. Preparation for applying the principles of proper nutrition of children and adolescents and modification of feeding techniques, taking into account their age and state of health		
C8 Improving skills in terms of communication and cooperation with the therapeutic team as well as with the sick child and his family		
C9 Discussion of the child's physical and mental development and assessment methods, including the role of a nurse		
C10 Familiarizing the student with the organization of hospital and outpatient care for patients of developmental age		
Learning outcomes / reference to learning outcomes indicated in the standards		
For knowledge – student knows and understands: D.W2, D.W3, D.W5, D.W8, D.W9, D.W.13, D.W27		
For skills student can do: D.U5, D.U12, D.U1, 3D.U14, D.U15, D.U18, D.U22, D.U23, D.U26, D.U27		
For social competencies student is ready to: Point 1.3 of general learning outcomes, points 2) and 3)		
9. Number of hours for the course		225
10. Number of ECTS points for the course		15
11. Methods of verification and evaluation of learning outcomes		
Learning outcomes	Methods of verification	Methods of evaluation*
Knowledge	written exam, oral and written evaluation	*
Skills	oral and written credit, assessment of a student demonstrating skills in nursing a sick child of different ages,, assessment of a nursing care plan	*
Competencies	oral and written credit, assessment of a student demonstrating skills in nursing a sick child of different ages, assessment of a nursing care plan	*

* 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 slightly 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		
12. Name of Department, mailing address, e-mail: Katedra Pediatrii (Oddział Kliniczny Pediatrii, Zakład Pielęgniarstwa Pediatricznego) ul. Batorego 15, 40-902 Bytom, 32 78 61 948, pedbyt@sum.edu.pl		
13. Name of the course coordinator: Dr hab. n. med. Krystyna Stencel-Gabriel, Dr n. med. Aneta Warmuz-Wancisiewicz		
14. Prerequisites for knowledge, skills and other competencies: anatomy, physiology, pharmacology, basics of nursing, health promotion, basic health care, physical examinations, pedagogy		
15. Number of students in groups	In accordance with the Senate Resolution	
16. Study materials	class topics and outlines on the bulletin board	
17. Location of classes	Oddział Kliniczny Pediatrii i Zakład Pielęgniarstwa Pediatricznego Katedry Pediatrii, Szpital Specjalistyczny Nr 2, Bytom, ul. Batorego 15	
18. Location and time for contact hours	according to the schedule on the bulletin board (3rd and 4th floor)	
19. Learning outcomes		
Number of the course learning outcome	Course learning outcomes	Reference to learning outcomes indicated in the standards
C_K01	Characterizes risk factors and health threats in children of different ages, taking into account their development and state of health	D.W2
C_K02	He knows the rules for assessing the patient's condition depending on age	D.W3
C_K03	Differentiates the sick child's response to illness and hospitalization, taking into account age and health	D.W8
C_K04	Explains the pathophysiology and clinical signs of developmental diseases: respiratory, cardiovascular, urinary tract, digestive system, allergic diseases and blood diseases	D.W13
C_K05	Explains the etiopathogenesis, clinical symptoms, course, treatment, prognosis and nursing care in the following diseases: cardiovascular system (heart, blood vessels), respiratory system, nervous system, digestive system (stomach, intestines, large glands), liver, pancreas, urinary system (kidneys and bladder), osteoarticular system, muscles, endocrine system and blood	D.W3
C_K06	Characterizes nursing techniques and procedures used in caring for a sick child depending on his age and type of illness	D.W9

C_K07	He knows the role of the nurse when admitting the patient to hospital, taking into account the age and state of health of the patient	D.W3
C_K08	Knows the principles of organization of primary and specialist pediatric care	D.W3
C_K09	Knows the basic possibilities of therapeutic rehabilitation (physiotherapy) and psychotherapy	D.W27
C_K10	He knows the types of diagnostic tests and has knowledge in the field of their commissioning	D.W5
C_S01	Assesses the child's psychophysical development in each age group using development tables, percentile grids, Tanner scale	D.U5
C_S02	Prepares the patient for diagnostic tests in physical and mental terms, including his perception depending on age	D.U12
C_S03	Recognizes the states of sudden threat to health and life in children of all ages	D.U27
C_S04	Recognizes complications of pharmacological, dietary, rehabilitation and therapeutic and nursing treatment in relation to the child's age and the disease entity	D.U18
C_S05	Takes biological material for diagnostic tests (blood, urine, feces), assists in its collection (cerebrospinal fluid)	D.U23
C_S06	Provides information on the health status of a sick child to members of the therapeutic team	D.U22
C_S07	Keeps records of patient care: observation card, nursing procedures and reports, hospital infection registry card, pressure ulcer prevention and treatment, and information card with self-care recommendations	D.U15
C_S08	Prepares and administers drugs in various ways (orally, intramuscularly, intravenously, rectally), alone, under the supervision of a teacher	D.U26
C_S09	Is able to recognize indications for specific diagnostic tests and has the skills to issue a referral for specific diagnostic tests	D.U13
C_S10	Can prepare recipe forms of medicinal substances in consultation with the doctor or on his behalf	D.U14
P_K1	compliance with patient rights	
P_K2	independent and reliable performance of the profession in accordance with the principles of ethics, including compliance with moral values and obligations in patient care	Point 1.3 of general learning outcomes, point 3)

20. Forms and topics of classes		Number of hours
20.1. Lectures		40
Physical and mental development of the child from newborn to 18 years of age.		1
Nephrology. Urinary tract defects and diseases. The most common symptoms depending on the child's age. Diagnostic methods.		2
Allergology. Disease entities and their treatment options.		2
Endocrinology. The most common congenital and acquired diseases of the endocrine system		2

in a children's clinic.	
Nutrition rules for healthy and sick children - current guidelines. The most common symptoms of gastrointestinal diseases.	2
Respiratory system diseases. Course and risks in infants and older children	3
Neurology. The most common symptoms of diseases of the nervous system. Disease units and diagnostic options in children	2
Oncological and rheumatological diseases in children.	3
Clinical picture of selected genetic diseases	1
Childhood skin diseases	2
Management of a newborn baby after birth. Nursing a full-term and premature newborn	3
The role of a nurse in the nutrition of a child at various stages of its development, infant nutrition - artificial, natural and mixed, nutrition of a small child, rules of proper child nutrition at various stages of development. Nutrition rules for sick children – the role of a nurse.	3
Nursing a child in diseases of the respiratory system	3
Caring for a child with urinary tract diseases	3
Nursing procedure in a child with cardiological diseases.	3
Diabetes in children.	2
Infectious diseases of childhood - nursing a child.	3
20.2. Seminars	15
Paediatric assessment of general condition	4
Vaccinations	3
Diseases of the digestive, urinary, respiratory, cardiovascular and haematological systems and the most common disorders and symptoms of the nervous system, taking into account the specificity of childhood	8
20.3. Clinical exercise	10
Clinical picture and diagnostic principles of gastrointestinal, respiratory, circulatory and haematological diseases	5
Clinical picture and diagnostic principles of diseases of the nervous system, urinary tract and infectious diseases	5
20.4. Medical simulation	20
Childcare in urinary tract diseases.	10
Nurse's role in the diagnosis and treatment of children with respiratory disease.	10
20.5. Practical	140
Organization of specialist care for a child, taking into account the specificity of the age.	10
Hospitalization as a difficult situation for a child and his family - the role of a pediatric nurse in an interdisciplinary team. Rules for communicating with a child and his parents	10
Factors determining the proper development of a child. Developmental disorders as a symptom or consequence of the disease. Down syndrome. Orphan disease.	10
Nursing a child with cardiological diseases. Caring for a child with selected congenital heart defects, caring for a child in an anoxic attack, principles of nursing and feeding a child with heart disease. Conditions for the correct measurement of blood pressure (RR).	10
The process of nursing a child in diseases of the hematopoietic system. The role of the nurse in caring for a child diagnosed with iron deficiency anemia and in the case of hemophilia.	10
Nursing care for children with digestive system diseases. Discussion of the clinical picture and diagnostic principles of the following disease entities: celiac disease, acute and chronic diarrhea.	10
Nursing procedure in children with allergic diseases. The most common allergic diseases in children - clinical picture and the nurse's role in the diagnostic and therapeutic process, types of diagnostic tests.	10

Nursing procedure in an attack of bronchial asthma, nursing a child in allergic skin diseases, as exemplified by childhood eczema and urticaria, principles of skin care in children with allergies. The role of a nurse in the prevention of allergic diseases.	
Nursing a child with endocrine diseases. Clinical picture and care for a child diagnosed with diabetes and thyroid diseases.	10
Nursing a child with neurological diseases. The clinical picture and the role of a nurse in the treatment of children of all ages with the following diseases: epilepsy, cerebral palsy, febrile convulsions.	10
Planning the nursing process in kidney diseases. Clinical picture and symptoms requiring nursing supervision in children of different ages with urinary tract diseases, such as: nephrotic syndrome, glomerulonephritis, urinary tract infections. Diagnostic tests.	10
Planning of nursing care in the course of respiratory system diseases. The most common diseases of the respiratory system in children - the clinical picture and the role of the nurse in the diagnostic and therapeutic process.	10
Nursing a chronically ill child. The role of a nurse in caring for a child, the importance of care and support.	10
The role of a nurse in a child's diagnostic and therapeutic process.	10
The role of a nurse in the prevention of infectious diseases. Protective vaccinations.	10
20.6 Professional practice	160
20.7 Self-study	30

21. Readings

Basic

Lissauer T., Carroll W.: Pediatria, wyd. 5 polskie, Milanowski A. (red.). Elsevier Urban&Partner, Wrocław 2015.

Obuchowicz A. (red.): Podstawowe zagadnienia opieki pediatrycznej w lecznictwie otwartym. Śląska Akademia Medyczna, Katowice 2003.

Obuchowicz A.(red.): Badanie podmiotowe i przedmiotowe w pediatrii. PZWL Warszawa 2016. (rozdział pt. Wywiad. Badanie podmiotowe).

Pawlaczyk B. (red.): Pielęgniarstwo pediatryczne. Wydawnictwo Lekarskie PZWL Warszawa 2007

Muscari M.: Pediatria i pielęgniarstwo pediatryczne. Wydawnictwo Czelej, Lublin 2005

Luxner K. L., red. wyd. pol. Drózd-Gessner Z.: Pielęgniarstwo pediatryczne. Urban & Partner, Wrocław 2006

Drózd-Gessner Z.: Zarys pielęgniarstwa pediatrycznego. AM Poznań, Poznań 2006

Barczykowska E., R. Ślusarz R., Szewczyk M. T.: Pielęgniarstwo w pediatrii. Borgis 2006

Barczykowska E.; Faleńczyk K. (red.). Metoda studium przypadku w pielęgniarstwie pediatrycznym: wybrane zagadnienia z opieki na dzieckiem w podstawowej opiece zdrowotnej, Continuo, Wrocław 2014

Maciarz A.: Dziecko przewlekłe chore opieka i wsparcie. Wydawnictwo Akademickie Żak 2006

Borkowski W.: Opieka pielęgniarska nad noworodkiem. Medycyna Praktyczna, Kraków 2007, wyd. 2.

Radzikowski A.: Pediatria. Podręcznik dla studentów pielęgniarstwa. Medipage, Warszawa 2008, wyd. 1.

Lesińska-Sawicka M.: Metoda case study w pielęgniarstwie. Borgis, Warszawa 2009.3.

Cepuch G., Perek M.: Modele opieki pielęgniarskiej nad dzieckiem z chorobą ostrą i zagrażającą życiu. Wydawnictwo Lekarskie PZWL, 2012.

Cepuch G., Krzeczowska B., Perek M., Twarduś K.: Modele pielęgnowania dziecka przewlekłe chorego. Wydawnictwo Lekarskie PZWL, 2011.

Further

Czupryna A., Wilczek-Różycka. Wybrane zagadnienia pielęgniarstwa specjalistycznego. Wolters Kluwer Polska, Warszawa 2010, wyd.1.

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medycznych, Warszawa 2008.

Grenda R, Kawalec W i wsp: Pediatria tom 1 i 2, PZWL Warszawa 2013.

Zarzycka D, Emeryk A.: **Pediatria i pielęgniarstwo pediatryczne**. PZWL Warszawa 2020.

Kaczmarski M, Piskorz-Ogórek K: Pediatria i pielęgniarstwo pediatryczne. Wybrane zagadnienia. Help-Med. s.c. Kraków 2014. wyd.I.

25. Detail evaluation criteria	
In accordance with the recommendations of the inspection bodies Completion of the course – student has achieved the assumed learning outcomes Detail criteria for completion and evaluation of the course are specified in the course regulations	