Załącznik nr 5 do zarządzenia nr 189/2025

COURSE SPECIFICATION

Course code: 0912-7LEK-C8,2-Pe
Course title in Polish: Pediatria – kliniczne nauczanie praktyczne
Course title in English: Pediatrics – clinical teaching and practice

1. Placement of the course within the study programme

1.1. Field of study	Medicine
1.2. Mode of study	Full-time
1.3. Level of study	Uniform Master's study
1.4. Profile of study	General academic
1.5. Course specification author	lek Ilona Pałyga-Bysiecka
1.6. Contact	Ilona Pałyga <ilona.palyga-bysiecka@ujk.edu.pl>

2. Generał characteristics of the course

2.1. Language of instruction	english
2.2. Entry requirements	Students enrolling in the Pediatrics course are expected to have successfully completed the following subjects: anatomy, physiology, biochemistry, immunology, microbiology, and pathology.

3. Detailed characteristics of the course

3.1. Type of classes	Clinical internships – 120 didactic hours.
3.2. Place of course delivery	Lecture – Courses in the teaching rooms of UJK Classes and tutorials- Department of Clinical Paediatrics e-learning platform
3.3. Form of assessment	lectures – final oral and written exam classes, tutorials- credit with grade that includes : students abilities, attendance during classes, partial-test evaluation
3.4. Teaching methods	Lecture with multimedia presentation, practical classes at the bedside of the patient, practical tutorials
3.5.a. Basic reading list	1. Ilustrated Textbook of Paediatrics, Edited by T. Lissauer, G. Clayden, 2021 2. Paediatric Physical Examination made easy by D.Gill, N O'Brien, last edition. 3. Materials from Lectures and Classes 4. Some chapters from: Nelson Essentials of Pediatrics, 8th Edition: Karen Marcdante, MD and Robert M. Kliegman, MD. W.B. Saunders Company; Chapter 2, chapter 8:145-154; Chapter 16-24
3.5.b. Supplementary reading list	1. Nelson Essentials of Pediatrics, 8th Edition: Karen Marcdante, MD and Robert M. Kliegman, MD. W.B. Saunders Company 2. Nelson Textbook of Pediatrics, Vol 1 & 2, 20th Edition, Authors: Robert M. Kliegman & Bonita M.D. Stanton & Joseph St. Geme & Nina F Schor. 2

4. Objectives, content and learning outcomes

4.1. Course objectives (taking into account the form of classes)

Practical Classes

- C1. To acquire skills in taking a comprehensive pediatric history from patients and caregivers.

- C2. To perform a systematic physical examination in infants, children, and adolescents.
- C3. To apply theoretical knowledge to real clinical cases during ward rounds under supervision.
- C4. To develop communication skills with children and their families in the hospital setting.

Course content (taking into count the form of classes)

Practical Classes (bedside teaching / clinical skills)

- C1. History taking from children of different ages and their caregivers.
- C2. Physical examination of neonates, infants, children, and adolescents.
- C3. Clinical examination of the respiratory and cardiovascular systems, a ssessment of growth, nutritional status, and pubertal development.
- C4. Bedside case presentations: formulating differential diagnoses and management plans.
- C5. Participation in ward rounds and observation of diagnostic/therapeutic procedures.
- C6**.** Communication skills with pediatric patients and families, including counseling and education.

Course learning outcomes

Course learning outcomes (code)	Upon completion of the course, the student	Alignment with programme learning outcomes
in the area of **ABILITIES**, the graduate knows how to:		
U01	conduct a review of medical history of the child and its family;	E.U2.
U02	conduct physical examination of the child at any age;	E.U4.
U03	assess patient's general condition, consciousness and awareness;	E.U7.
U04	assess the condition of a newborn according to a the Apgar scale and its maturity as well as examine neonatal reflexes;	E.U8.
U05	make relations between anthropometric measurements and blood pressure with data in growth charts;	E.U9.
U06	assess the stage of puberty;	E.U10.
U07	conduct checkups for children;	E.U11.
U08	perform differential diagnosis of the most common diseases in adults and children;	E.U12.
U09	assess and describes the somatic and mental state of patients;	E.U13.
U10	recognize states of a direct threat to life	E.U14.
U11	recognize when a patient is under the influence of alcohol, drugs and other addictive products;	E.U15.
U12	plan diagnostic, therapeutic and preventive procedures;	E.U16.
U13	conduct analysis of the potential side effects of each drug and the interaction between them;	E.U17.
U14	propose individualization of existing guidelines and other therapeutic treatments in the case of non-effectiveness of or contraindications to standard therapy;	E.U18.
U15	recognize signs of drug dependency and propose a treatment procedure;	E.U19.
U16	qualify the patient for home treatment and hospitalization	E.U20.
U17	recognize states in which functional status of the patient's or his/her preferences restrict the treatment in accordance with specific guidelines for the disease;	E.U21.
U18	interpret laboratory test results and identify the reasons for deviations;	E.U24.
U19	apply dietary treatment with the consideration of enteral and parenteral feeding;	E.U25.

U20	plan treatment in the case of exposure to infection transmitted through blood;	E.U26.
U21	qualify the patient for vaccination;	E.U27.
U22	collect and secure samples of material used in laboratory diagnostics;	E.U28.
U23	perform basic medical procedures and treatments, including: 1) measurement of body temperature, pulse measurement, non-invasive blood pressure measurement, 2) monitoring of vital signs using a cardio-monitor or pulse oximetry, 3) spirometry, oxygen therapy, assisted and control mode ventilation 4) introduction of the oropharyngeal tube, 5) intravenous injection , intramuscular and subcutaneous injections, cannulation of peripheral veins, collection of peripheral venous blood, collection of arterial blood, collection arterialized capillary blood, 6) collecting swabs from the nose, throat and skin, puncture of pleural cavity, 7) catheterization of the urinary bladder in women and me, nasogastric intubation, gastric lavage, enema, 8) standard electrocardiogram along with its interpretation, cardioversion and defibrillation of the heart, 9) simple test strips and measuring the concentration of glucose in the blood;	E.U29.
U24	assist when the following procedures and medical treatments are performed: 1) transfusions of blood and blood products, 2) drainage of the pleural cavity, 3) puncture of the pericardium, 4) puncture of the peritoneal cavity, 5) lumbar puncture, 6) needle biopsy, 7) epidermal tests, 8) intradermal and scarification tests and interpret their results;	E.U30.
U25	interpret descriptions of pharmaceutical medicines and critically assess advertising materials relating to medicines;	E.U31.
U26	planuje konsultacje specjalistyczne;	E.U32.
U27	implement the basic therapeutic procedure in acute poisoning;	E.U33.
U28	monitor the status of a patient poisoned by chemical substances or drugs;	E.U34.
U29	recognize the agony of the patient and pronounce him/her dead;	E.U37.
U30	keep medical records of the patient.	E.U38.
U31	comply with the aseptic and antiseptic rules;	F.U3.
U32	use peripheral venous catheter;	F.U5.
U33	examine nipples, lymph nodes, thyroid gland and the abdominal cavity in terms of acute abdomen and perform finger test through the anus;	F.U6.
U34	perform basic resuscitation with automated external defibrillator and other rescue activities and provide first aid;	F.U10.
U35	explain to the people who use medical services their basic rights and the legal basis for providing medical benefits;	G.U5.
U3	issue medical certificates for the needs of patients, their families and other entities;	G.U6.
U37	recognize symptoms indicating the possibility of using violence against the child during his/her examination;	G.U7.

in the area of social competences:

K01	establish and maintain deep and respectful contact with the patient and show understanding towards ideological and cultural differences;	H.S1.
K02	do what is right for the patient;	H.S2.
K03	respect medical confidentiality and patient's rights;	H.S3.
K04	take actions concerning the patient on the basis of ethical principles, being aware of social conditions and restrictions resulting from illness;	H.S4.
K05	recognize his/her own limitations and self-evaluate educational deficiencies and needs;	H.S5.
K06	promote healthy lifestyle;	H.S6.
K07	use reliable information sources;	H.S7.
K08	conclude on the basis of own surveys and observations;	H.S8.

K09	introduce rules of social conduct and teamwork to the group of specialists, including specialists form other medical professions also in the multicultural and multinational environment;	H.S9.
K10	give opinions concerning various aspects of professional activity;	H.S10.
K11	take responsibility for own decisions made during professional activities including own safety and safety of other people;	H.S11.

4.2. Assessment methods for learning outcomes

Assessment method (+/-)

Course learning outcomes (code)	Oral/written/ practical examinaion /other (specify)*	Test*	Project*	In-class activity*	Independent study*	Group work*	Other (specify)*

Type of classes

1: / 2:	L	S	CP	L	S	PC	L	S	PC	L	S	PC	L	S	PC	L	S	PC	L	S	PC
U01-U37						X			X			*X*			*X*			*X*			
K01-K11						X			X			*X*			*X*			*X*			

Annotation. 1: form of classes; 2: learning outcomes

4.3. Assessment criteria for learning outcomes

Type of classes:

PRACTICAL CLASSES (L) (including classes conducted with the use of distance learning methods and techniques)

Grade	Assessment criteria
3,0	knowledge of each course contents at the level of 61%- 68%
3,5	knowledge of each course contents at the level of 69%-76%
4,0	knowledge of each course contents at the level of 77%-84%
4,5	knowledge of each course contents at the level of 85%-92%
5,0	knowledge of each course contents at the level of 93%-100%

5. ECTS credit allocation – student workload

Category	Student workload (full-time mode)
NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER (CONTACT HOURS)	**120**
Participation in lectures*	
Participation in seminars/laboratories*	120
Other (specify) e.g. classes conducted with the use of distance learning methods and techniques*	
INDEPENDENT STUDY (NON-CONTACT HOURS)	**80**
Preparation for lectures*	
Preparation for seminars/laboratories*	80
Preparation for examination/test*	
Gathering materials for project, online research*	

Preparation of a multimedia presentation*	
Other (specify)*	
TOTAL HOURS	**200**
ECTS CREDITS for the course	**8**

4* delete as appropriate

Approved for implementation (date and legible signatures of course instructors in the given academic year):

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