

DESCRIPTION OF THE COURSE OF STUDY

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| Course code | 12.6-3LEK-F-GDz | |
| Name of the course in | Polish | Gastroenterologia dziecięca |
| | English | Paediatric Gastroenterology |

1. LOCATION OF THE COURSE OF STUDY WITHIN THE SYSTEM OF STUDIES

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| 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* | practical |
| 1.5. Specialization* | lack |
| 1.6. Unit running the course of study | Faculty of Medicine and Health Sciences UJK |
| 1.7. Person/s preparing the course description | dr n. med. Przemysław Wolak |
| 1.8. Person responsible for the course of study | dr n. med. Przemysław Wolak |
| 1.9. Contact | wojteknie@poczta.onet.pl |

2. GENERAL CHARACTERISTICS OF THE COURSE OF STUDY

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| 2.1. Affiliation with the module | facultative |
| 2.2. Language of instruction | English |
| 2.3. Semesters in which the course of study is offered | 6-9 semesters of study |
| 2.4. Prerequisites* | Essentials of paediatrics, surgery, internal diseases, infectious diseases |

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

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|--------------------------------|---|--|
| 3.1. Form of classes | Lecture 15 hours, Classes 20 hours | |
| 3.2. Place of classes | Lecture: lecture-didactic rooms at the UJK, Classes – Department of Gastroenterology, Paediatric Surgery and Department of Imaging Diagnostics; Regional Specialist Children Hospital in Kielce | |
| 3.3. Form of assessment | Lecture – with grade, Classes – with grade | |
| 3.4. Teaching methods | Lecture: conversation, problem Activation methods: case study in natural conditions, didactic discussion with discussing clinical cases | |
| 3.5. Bibliography | Required reading | Pediatric Gastrointestinal and Liver Disease; Robert Wyllie Robert Wyllie Jeffrey S. Hyams, Elsevier 2015. |
| | Further reading | Pediatric Practice Gastroenterology; Warren P. Bishop McGraw-Hill Education / Medical 2010. |

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED TEACHING OUTCOMES

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| 4.1. Course objectives (including form of classes) |
| <ol style="list-style-type: none"> 1. Acquisition of knowledge and competences in diagnostics, diagnosis and treatment of gastrointestinal tract diseases in children 2. Familiarization with distinctiveness of gastrointestinal tract diseases in children 3. Familiarization with the specificity of work of a physician in paediatric wards. |
| 4.2. Detailed syllabus (including form of classes) |
| Lectures: |
| <ol style="list-style-type: none"> 1. Symptomatology of gastrointestinal diseases in children (1 hour) 2. Esophageal diseases (gastroesophageal reflux disease, esophagitis, achalasia, hiatal hernia, motility disorders, nanometric examinations - indications) (2 hours) 3. Gastric diseases (gastric emptying disorders, gastritis in children, Helicobacter pylori infection, peptic ulcer disease, stress induced gastric ulcer, effect of NSAIDs on gastric mucosa) (2 hours) 4. Diarrhea in children (etiologic factors of acute and chronic diarrhea, treatment of diarrhea) (2 hours) 5. Etiopathogenesis of celiac disease, diagnostics and treatment (2 hours) 6. Non-specific inflammatory bowel diseases (ulcerative colitis, Leśniowski- Crohn's disease, valid standards in the diagnostics and treatment of non-specific inflammatory bowel disease in children) (2 hours) 7. pancreatic diseases in children - etiology, diagnostics and treatment of acute and chronic pancreatitis in children (2 hours) |

8. Functional disorders of the gastrointestinal tract in children - etiology, diagnostics, differentiation, treatment (2 hours).

Classes:

1. Ultrasound diagnostics of gastrointestinal diseases in children (2 hours)
2. Jaundice during the neonatal-infancy period (1hour)
3. Cholecystolithiasis in children (symptoms, diagnostics, indications for treatment) (1hour)
4. Food allergy in children (1hour)
5. Elimination diets for food allergies (1hour)
6. Bleedings and haemorrhages from the upper section of gastrointestinal tract (1hour)
7. Bleedings and haemorrhages from the lower section of gastrointestinal (1hour)
8. Selected problems of hepatology (1hour)
9. Irritable bowel syndrome – diagnostics and treatment (1hour)
10. Constipation and defecation disorders, dysganglionosis, dirty underwear – etiology, management and treatment (2 hours)
11. Enteral and parenteral nutrition therapy (1hour)
12. Anatomical defects of intestines, bowel obstruction – indications for surgical consultation and surgical treatment - 2 hours.

4.3 Education outcomes in the discipline

| Code | A student, who passed the course | Relation to teaching outcomes |
|---------------------------------------|--|-------------------------------|
| within the scope of KNOWLEDGE: | | |
| W01 | knows environmental and epidemiological conditions for the most common diseases; | E.W1. |
| W02 | knows and understand the causes, symptoms, principles of diagnosis and therapeutic procedures in the case of the most frequent diseases of children: a) acute and chronic abdominal pain, vomiting, diarrhea, constipation, gastrointestinal bleeding, peptic ulcer, nonspecific intestinal diseases, pancreatic diseases, cholestasis, liver disease, and other acquired diseases and congenital defects of the gastrointestinal tract, b) genetic syndromes, | E.W3. |
| W03 | knows eligibility rules as well as basic and most common complications of surgery and other invasive diagnostic and treatment procedures; | F.W3. |
| W04 | knows perioperative safety rules, preparing a patient for surgery, general and local anesthesia and controlled sedation; | F.W4. |
| within the scope of ABILITIES: | | |
| U01 | assists during a typical surgery, prepares the surgical site and locally anesthetizes operated area; | F.U1. |

4.4. Methods of assessment of the intended teaching outcomes

| Teaching outcomes (code) | Method of assessment (+/-) | | | | | | | | | | | | | | | | | | | | |
|--------------------------|----------------------------|---|-----|-----------------|---|-----|-----------------|---|-----|------------------|---|-----|-----------------|---|-----|-----------------|---|-----|---------|---|-----|
| | Exam oral/written* | | | Test* | | | Project* | | | Effort in class* | | | Self-study* | | | Group work* | | | Others* | | |
| | Form of classes | | | Form of classes | | | Form of classes | | | Form of classes | | | Form of classes | | | Form of classes | | | | | |
| | L | C | ... | L | C | ... | L | C | ... | L | C | ... | L | C | ... | L | C | ... | L | C | ... |
| W01 | | | | | | | | | | | | | | | | | | | | | |
| W02 | | | | | | | | | | | | | | | | | | | | | |
| W03 | | | | | | | | | | | | | | | | | | | | | |
| W04 | | | | | | | | | | | | | | | | | | | | | |
| U01 | | | | | | | | | | | | | | | | | | | | | |

*delete as appropriate

4.5. Criteria of assessment of the intended teaching outcomes

| Form of classes | Grade | Criterion of assessment |
|-----------------|-------|-------------------------|
| lecture (L) | 3 | 61%-68% |
| | 3,5 | 69%-76% |
| | 4 | 77%-84% |
| | 4,5 | 85%-92% |
| | 5 | 93%-100% |
| classes (C)* | 3 | 61%-68% |
| | 3,5 | 69%-76% |
| | 4 | 77%-84% |
| | 4,5 | 85%-92% |
| | 5 | 93%-100% |

- Thresholds are valid from 2018/ 2019 academic year

5. BALANCE OF ECTS CREDITS – STUDENT’S WORK INPUT

| Category | Student's workload |
|---|--------------------|
| | Full-time studies |
| NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER /CONTACT HOURS/ | 35 |
| <i>Participation in lectures*</i> | 15 |
| <i>Participation in classes, seminars, laboratories*</i> | 20 |
| <i>Preparation in the exam/ final test*</i> | |
| <i>Others*</i> | |
| INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/ | 15 |
| <i>Preparation for the lecture*</i> | |
| <i>Preparation for the classes, seminars, laboratories*</i> | 10 |
| <i>Preparation for the exam/test*</i> | 5 |
| <i>Gathering materials for the project/Internet query*</i> | |
| <i>Preparation of multimedia presentation</i> | |
| <i>Others*</i> | |
| TOTAL NUMBER OF HOURS | 50 |
| ECTS credits for the course of study | 2 |

Accepted for execution (date and signatures of the teachers running the course in the given academic year)

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