Attachment to the Ordinance of the Rectorno 186/WST/2018

Subject name
Pediatric surgery

ECTS Code

Name of unit teaching the subject
THE ZBIGNIEW RELIGA FACULTY OF MEDICAL SCIENCES IN ZABRZE, THE UNIVERSITY OF TECHNOLOGY IN KATOWICE

Studies

Field of study	degree	mode	major	specialization
medical	Uniform Master's	Stationary/non-stationary		

Surname of instructor (instructors)

Type of class, method of implementation and specified number of hours

A.Type of class
- lecture,
- exercise classes,
- **clinical exercise classes**
- seminars,
- design classes
- laboratories,
- lectureship,
- diploma seminar,
- professional internship.*

* mark where applicable

B. Method of implementation
- **classes in a didactic room – hospital/ward**
- on-line classes/blended learning
- classes outside the didactic room (in this case must specify where they are held)

C. Amount of hours in accordance with the approved curriculum
15h of clinical exercise classes

Amount of ECTS points

Description of awarding ECTS points:

Activity	Student workload
Participation in lectures	0 hours
Participation in practical classes	15 hours
Preparation for practical classes and colloquiums	10 hours
Examination preparation	5 hours
Consultations	5 hours
Total number of hours	35 hours / 30
Amount of ECTS points per module	**1ETCS**

Didactic cycle
Semester 08

Subject status
- **mandatory** / facultative

Language of instruction
Polish

Didactic methods
Case analysis, demonstration, practical classes, exercises with patients, exercises on phantoms, participation in medical procedures in operating rooms

Forms and methods of passing and general grading criteria or examination requirements

A. Method of passing
- examination
- **passing with a grade after completing the cycle***

* mark where applicable

B. Forms of passing:
- written examination: test / with open questions (exercises)/longer written statement
- oral examination
- **oral test/colloquium**
- completion of a semester assignment: preparation of a design or presentation/conducting research and presenting its results(written/oral)/**completion of a specified practical work**
- agreeing on a passing grade based on partial grades

received during the course of the semester*
* mark where applicable

C. Basic grading criteria
Attendance for all clinical classes (attendance to be taken in every class, a student who is late for class should notify the person taking roll in order to mark himself present on the list). Individual absences must be made up in a form agreed upon with the person responsible for didactics

Receiving a positive grade (sufficient or higher) from assessment in the form of an oral colloquium finishing the classes

Definition of preparatory subjects and initial requirements

Familiarity with medical interview and a physical examination taking into account the differences of pediatrics. Familiarity with the basic laboratory and imaging examinations used in pediatrics and child surgery. Knowledge in the fields of embryology, anatomy and pathophysiology

Subject aim
Teaching the basics of organization or work on a child surgery ward as well as the principles in force at the operating block
Teaching the basics of child surgery taking into account newborn surgery

Curriculum
Classes take place at the surgical ward, treatment room and the operating block. Within the framework of classes students take part in all stages of the treatment process, from diagnosis, all the way to qualifying a patient for surgical treatment in the conditions of the operating block. Within the framework of the classes students will take part in clinical briefing and clinical and diagnostic meetings

Literature
Zarys zagadnień chirurgii wieku dziecięcego ed. by Andrzej Chilarski – Polskie Towarzystwo Chirurgów Dziecięcych, Łódź 2009

Chirurgia wieku dziecięcego ed by. W. Paradowska, PZWL, Warszawa, 1992

Educational effects:

Effect no	**Description of an educational effect**	Reference to field of study related effects
Knowledge:		
W1	Knows the principles of nutrition of healthy and ill children, principles of protective vaccination and keeping child physical screening records	E.W2

W2	Knows and understands the causes, symptoms, principles of diagnosis and therapeutic treatment in the most common children's diseases: Acute and chronic stomachaches, regurgitation, diarrhea, constipation, bleeding from the digestive tract, peptic ulcer disease, inflammatory bowel diseases, diseases of the pancreas, cholestasis, and diseases of the liver, other acquired diseases and inborn defects of the digestive tract, Infections of the urinary system, inborn defects of the urinary system, nephrotic syndrome, kidney stone diseases, acute and chronic renal failure, acute and chronic kidney inflammation, systemic renal diseases, urinary disorders, vesicoureteral reflux	E.W3
W3	Knows an understands the causes, symptoms, principles of diagnosis and therapeutic treatment regarding the most common diseases requiring surgical intervention, taking into account the differences of childhood, especially: a) acute and chronic diseases of the abdominal cavity b) chest diseases c) diseases of the limbs and head d) fractures and organ traumas	F.W1
W4	Knows selected aspects of pediatric surgery including traumatology and otorhinolaryngology, acquired defects and diseases which are an indication for surgical treatment in children	F.W2
W5	Knows the principles of qualifying for and performing the basic surgical procedures and invasive diagnostic and medicinal procedures	F.W3
W6	Knows the most common complications of the above mentioned procedures and interventions	F.W4
Abilities:		
U1	Conducts a medical interview with the child and its family	E.U2
U2	Conducts a physical examination of a child of any age	E.U4
U3	Conducts a physical examination of a child of any age	E.U16
U4	Uses the basic surgical instrument	F.U2
U5	Follows the principles of asepticism and antisepticism	F.U3
U6	Can treat a simple wound, put on and change a sterile surgical bandage	F.U4
U7	Evaluates the results of a radiologic examination as far as the most common types of fractures, especially fractures of the long bones	F.U7
U8	Evaluates the results of a radiologic examination as far as the most common types of fractures, especially fractures of the long bones	F.U8
Social competencies:		
K1	Can establish and maintain a deep, full of respect contact with the patient	
K2	Put the good of the patient above everything else	
K3	Protects patient confidentiality and patient rights	
K4	Is aware of his own limitation and the need for constant learning	

Methods used in the verification of educational effects

Educational effect	**Type of grade**				
	colloquiums	**Solving problems during exercise classes**	**Solving problems in groups**	**Oral examination**	**Written examination**
W1-W10		**X**	**X**	**X**	
U1-U8		**X**	**X**	**X**	
K1-K4		**X**	**X**	**X**	

Criteria of evaluating educational effects			
Educational effect	**For a grade of 3**	**For a grade of 4**	**For a grade of 5**
W1-W6	Exhibits knowledge of the educational content on a level of 60%-69%	Exhibits knowledge of the educational content on a level of 77%-84%	Exhibits knowledge of the educational content on a level of 93%-100%
U1-U8	Exhibits knowledge of the educational content on a level of 60%-69%	Exhibits knowledge of the educational content on a level of 77%-84%	Exhibits knowledge of the educational content on a level of 93%-100%
K1-K4	Exhibits knowledge of the educational content on a level of 60%-69%	Exhibits knowledge of the educational content on a level of 77%-84%	Exhibits knowledge of the educational content on a level of 93%-100%