



COURSE UNIT DESCRIPTION

Course unit title	Code
Basics of diagnosing and treating childhood diseases	BPED 3115

Lecturer(s)	Department(s)
Coordinating: Assist. prof. dr. Odeta Kinčiniene Others: prof. hab. dr. A. Valiulis, prof. dr. R. Čerkauskienė, prof. dr. O. Rudzevičienė, prof. dr. V. Urbonas, assoc. prof. dr. S. Burokienė, assist. prof. R. Samaitienė- Aleknienė, assist. prof. S. Šaulytė-Trakymienė, Y. assist. E. Poluziorovienė, Y. assist. I. Adomaitė, lect. dr. R. Kemežys, lect. B. Paškevič	Vilnius University, Medical Faculty, Clinic of Children Diseases, Santariškių str. 4, Vilnius

Cycle	Level of the course unit	Type of the course unit
Integrated studies		Compulsory

Mode of delivery	Period of delivery	Language of instruction
Face-to –face (lectures and seminars in the auditorium, practical sessions in children’s diseases department)	5 th semester	English

Prerequisites and corequisites	
Prerequisites: the student must have completed the following subjects: human anatomy, human physiology, clinical pharmacology, internal medicine propaedeutics	Corequisites (if any):

Number of ECTS credits allocated to the course unit	Total student’s workload	Contact hours	Self-study hours
5	134	51	83

Purpose of the course unit Programme competences to be developed		
Goals - the student must learn to communicate with healthy and sick children, to learn the basic childhood diseases and their relationship to the jaw and dental pathology, and vice versa; to learn the principles of infant feeding, and principles of diagnosis and treatment of emergency conditions.		
Learning outcomes of the course unit	Teaching and learning methods	Assessment methods
Generic competences		
- The student must have problems solving and communication skills, ability to work in multi-disciplinary team, which ensures the child's health.	Classes, clinical case studies, self-study.	Oral and written interview, written exam answering multiple choice questions.
- The student must be able to communicate interactively and reflexively with the patient and his family, despite the social and cultural differences.	Lectures, classes, clinical case studies, practical work with patients.	Clinical work with the patient assessment, practical skills test.

-The student must know how to collect and use information from different information sources and assess this information in critical and scientific aspects.	Classes, self-study.	Oral interview and/or written test.
- The student must know how to collect and document the child's medical history, do children's clinical examination, interpret test data and do further investigations, if necessary.	Lectures, classes, clinical case studies, practical work with patients, self-study.	Oral interview and/or written test., clinical work with the patient assessment.
Subject-specific competences		
- Student must identify and assess the child's critical health condition, to provide first aid for children with acute clinical conditions.	Lectures, group classes, clinical situation analysis.	Oral interview and/or written test., assessment of student's practical skills
- Student must be able to diagnose the most common childhood illnesses, child growth and development disorders, organize a treatment plan.	Lectures, group classes, clinical situation analysis. practical work with patients, self-study.	Oral interviews and/or written test., assessment of clinical work with the patient, written examination, multiple choice test.
- Student must be able to plan preventive measures for healthy children as well as children with special needs from infancy to 18 years.	Lectures, group classes, clinical situation analysis. practical work with patients, self-study.	Oral interviews and/or written test., assessment of clinical work with the patient, written examination, multiple choice test.
- Student must know the evidence based treatment principles of the most important childhood diseases.	Lectures, group classes, clinical situation analysis. practical work with patients, self-study.	Oral interviews and/or written test., assessment of clinical work with the patient, written examination, multiple choice test.

Topics	Contact work hours							Time and tasks of self-study	
	Lectures	Consultations	Seminars	Practice	Laboratory work	Practical training	Total contact hours	Self-study	Tasks
1. Protection and representation of children rights. Communication with children of all ages during the clinical examination. Differentiation between the healthy and sick child. Assessment and evaluation of physical development. Basics of clinical examination: BP, HR, RR – measurement and assessment.			1	5			5	8	To become familiar with the basics of children's rights and representation base of Lithuania. Prepare for basic of clinical examination in all children age groups.
2. Psychometrical development of the child. The main periods of children age: characteristics, peculiarities, common diseases	2						2	2	To prepare the schedule of child's age periods in Lithuania

3.	The basics of infant and older child's nutrition. The common injuries of mouth mucosa. The common symptoms of gastrointestinal dysfunction.	1			2			3	6	Prepare for the practical of the children 's nutrition and eating disorders
4.	The most common infections of upper respiratory tract and ENL diseases: rhinitis, pharyngitis, otitis, sinusitis – basic of clinical management. Obstructions of respiratory tract: laryngitis, epiglottitis, foreign body. Asthma. Respiratory failure.	2			4			6	8	Prepare for the practical of the main symptoms of common respiratory infections and obstructions.
5.	Common viral and bacterial infection in children: clinical features, clinical, laboratory and instrumental diagnostics	2			4			6	8	Prepare for the practical of main clinical differences between viral and bacterial infections.
6.	Disorders of growth and puberty. Diabetes mellitus and obesity in children	1			1			2	2	To prepare the schedule of the main puberty periods in childhood
7.	The blood physiology in children. Anaemia. Coagulation anomalies	2			2			4	4	Prepare for the practical of main haematological disorders: clinical presentation and basics of diagnosis.
8.	The peculiarities of dermal and subcutaneous physiology in children: changes of skin colour, rashes, signs of hydration status.				2			2	4	Prepare for the practical on skin physical examination and main symptoms of common disorders.
9.	The common allergies in children. The changes of skin and mucosa during allergy	2			1			3	5	Prepare for the practical of the most common allergies in population
10.	Lymphatic nodes in children: clinical significance of enlargement in different age				2			2	3	Prepare for the practical on the lymphatic system physiology and pathology.
11.	Vitamin D metabolism. Hypervitaminosis D.	1						1	3	Prepare for the vitamin D metabolism in human body.
12.	Anomalies of mouth development, peculiarities of sedation, anaesthesia and mouth procedures in child with rare disease	1						1	4	Prepare for the assessment of conscious, general principles of anaesthesia and sedation.
13.	Cardiac complications of mouth infection and odontology procedures in children: primary and secondary prevention. Syncope in childhood.	1			2			3	4	Prepare for the practical of syncope aetiology, pathogenesis and first aid in different age children
14.	The basics of clinical examination of gastrointestinal, urogenital, nervous systems, and the most common symptoms of their disorders			1	2			2	8	Prepare for the practical on main gastrointestinal, urogenital and nervous system dysfunction in different age children.
15.	The assessment and interpretation of main laboratory blood and urine tests changes in children			1	2			2	8	To prepare for laboratory results assessment in healthy people

16. Paediatric resuscitation and The first aid.	2		2		4	6	To prepare for initial and specialized resuscitation in different age persons.
Total	16	3	32		51	83	

Assessment strategy	Weight (%)	Assessment period	Assessment criteria
Control test	40%	Up to 30 th November	Four tests with at least 10 questions each should be passed. The average of collected marked will compose the part of final score
Examination	60%	January	Computerized test., the amount of correct answers, averaged in a ten-point system: 10 – excellent - >85% 9 - very good > 75-85% 8 – good > 65-75% 7 – satisfactory > 55-65% 6 – satisfactory > 45-55% 5 – poor >35-45% 4-0 – unsatisfactory minimal requirements - >35%
Final score	100%	January	Final score is a sum of control tests' and examination results Final evaluation is possible only if all the assessments are credited.

Author	Year	Title	Volume	Edition
Compulsory literature				
Robert M. Kliegman	2020	Nelson Textbook of Pediatrics	21 st edition	Available throw VU Subscribed Scientific Databases – ClinicalKey https://virtualbiblioteka.vu.lt/
Prof. hab. dr. Arūnas Valiulis, Prof. dr. Vaidotas Urbonas, Assoc. prof. dr. Sigita Burokienė, Assist. prof. Sonata Šaulytė-Trakymienė, Assist. prof. Odeta Kinčinienė, Assist. prof. Rūta Samaitienė-Alekniene, Lect.PhD Robertas Kemežys, lect. E.Poluziorovienė	2022	General Lectures of “Basics of Paediatrics”.	-	Downloaded in VLE system (“Basics of Paediatrics”)
Tom Lissauer Will Carroll	2018	Illustrated Textbook of Paediatrics'	5 th edition	Available throw VU Subscribed Scientific Databases – Elsevier https://virtualbiblioteka.vu.lt/

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