



COURSE UNIT DESCRIPTION

Course unit title	Code
General pediatrics	

Lecturer(s)	Department(s)
Coordinating: Assoc. prof. dr. Sigitas Dumčius Others: prof. hab. dr. A.Valiulis, prof. dr. O.Rudzevičienė, assist. dr. O.Kinčinienė, assoc. prof. dr. J.Rascon, prof. dr.V.Urbonas, assist. dr.V.Žilinskaitė	Vilnius University, Faculty of Medicine, Dpt. of Children diseases, Antakalnio g. 57 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 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	Classes, self-study.	Oral interview.

in critical and scientific aspects.		
- 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, 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, 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, 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, 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, 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. Children age periods, their characteristics. Anatomical and physiological features of organ systems. Psychomotor development of children.	2		1				3	6	
2. Children's oral mucosal lesions. Gastrointestinal tract pathology and its connection with the dental-maxillofacial pathology. Acute stomatitis, gastritis. Duodenum ulcer, gastroduodenitis, colitis. Chronic cholecystitis.	2			3			5	6	Prepare for the practical of the digestive tract diseases.
3. Infant and older child's basics of nutrition. Metabolic disorders and their implications for dentistry. The effect of rational nutrition to the child's development. The principles of nutrition for the older children. Chronic malnutrition. Hypotrophy, paratrophy. The degrees of	2			4			6	6	Prepare for the practical of the children's nutrition and eating disorders

	hypotrophy.									
4.	Infective endocarditis: risk groups, high-risk procedures, prevention, guidelines for diagnosis and treatment. The most common paediatric heart and joint diseases.	2		2			4	6	Prepare for the practical of the common children's heart and joint diseases	
5.	Diseases of the respiratory system. Acute pneumonia. Respiratory allergy and viral infections. Diagnosis, treatment, principles.	2	1	2			5	6	Prepare for the practical of the respiratory system diseases.	
6.	Cardio-vascular pathology in childhood and its relationship with the jaw-tooth disease. Septic endocarditis. Congenital cardiac pathology and its relationship to the jaw and facial-skeletal pathology.	2	1				3	6		
7.	Children's haematological diseases. Iron deficit anaemia. Thrombocytopenic coagulopathies (haemophilia), acute and chronic leukaemia.	2		2			4	6	Prepare for the practical of haematological disorders.	
8.	Basics of children intensive care (ABC). Anaphylactic shock. First aid during transportation after electrical injury, solar-thermal impact cases.	2		4			6	6	Prepare for the practical on first aid in the intensive care setting.	
9.	Physical examination of a healthy and sick child, with regards to the child's age. Assessment of the physical and mental development (weighing, measuring).			3			3	6	Prepare for the practical of the children's clinical examination methods.	
10.	Children's posture. Scoliosis. Evaluation of the skin and subcutaneous tissue. Peripheral lymph node groups.			2			2	6	Prepare for the practical on children's posture disorders.	
11.	Rickets. Vitamin D and calcium metabolism. Rickets and its relationship to the tooth-jaw development. Specific and nonspecific prevention of rickets. D hypervitaminosis. Spasmophilia (Infantile tetany).			3			3	6	Prepare for the practical of the disorders of vitamin D metabolism in childhood.	
12.	Acute viral respiratory infection. Acute pneumonia, its complications, treatment guidelines, evaluation of respiratory failure. Bronchial asthma.			3			3	6	Prepare for the practical of the respiratory system diseases.	
13.	Pyelonephritis. Etiology, diagnosis, and treatment.			2			2	6	Prepare for the practical of the renal diseases	
14.	Glomerulonephritis. Etiology, clinical features, diagnosis and treatment.			2			2	5	Prepare for the practical on glomerulonephritis.	
	Total	16	3	32			51	30		

Assessment strategy	Weight (%)	Assessment period	Assessment criteria
Clinical work in children's diseases departments	20%	Semester	The student is able to perform the following tasks: - To collect the patient's medical history, perform physical examination, assessing the laboratory tests and other data, and summarize the information
Control test	20%	Due 31 st December	The answers to three open questions are assessed with regards to particularity and correctness
Examination	60%	January	Answers to three questions in written form and oral interview. Assessment of responses to each question (logic, particularity and consistency of information presented), averaged in a ten-point system: 10 - excellent 9 - very good 8 - good 7 - satisfactory 6 - satisfactory 5 - poor 4-0 – unsatisfactory minimal requirements

Author	Year	Title	Volume	Edition
Compulsory literature				
Alfred Tenore, Malcolm Levene	2016	European Mastercourse in Paediatrics		Elsevier
Abdelaziz Y. Elzouki	2018	Textbook of Clinical Pediatrics	Vol. 1-6	Springer
Nelson RT	2016	Textbook of Pediatric	18th ed	Elsevier
Lecture's material.				