



COURSE UNIT (MODULE) DESCRIPTION

Course unit title	Code
General Paediatrics and Neonatology, Part I	

Lecturer(s)	Department(s)
Coordinating: Assoc. prof. dr. Sigita Petraitiene Others: Lecturers of Clinic of Children Diseases, Institute of Clinical Medicine	Vilnius University, Medical Faculty, Clinic of Children Diseases, Santariškių str. 4, Vilnius

Cycle	Level of the course unit	Type of the course unit
cycle (integrated studies)	advanced	Compulsory

Mode of delivery	Period of delivery	Language of instruction
Recorded general lectures at VMA, seminars and practical sessions – face-to-face in auditoriums and pediatric departments	Year III, semester VI;	English

Prerequisites and co-requisites	
Prerequisites: A student must have completed the following courses: Human anatomy, Human histology, Human Physiology, Biochemistry, Microbiology, Pharmacology, and Propaedeutics of Internal medicine.	Co requisites (if any): No

Number of ECTS credits allocated to the course unit	Total student workload	Contact hours	Self-study hours
5 Credits	135	66	69
- Propaedeutics 3	- 81	- 40	- 41
- Neonatology 2	- 54	- 26	- 28

Purpose of the course unit Programme competencies to be developed		
<p>Aim – to learn the growth and development of the healthy child, peculiarities of anatomy and physiology and symptoms of most common lesions of different organ systems in any paediatric age.</p> <p>At the end of the course, students must be able to examine a child of any age, to know the possibilities and methods of laboratory and instrumental testing, to know the morphological and functional maturity of newborns, adaptation, transitory states and the most common diseases of newborns.</p>		
Learning outcomes of the course unit	Teaching and learning methods	Assessment methods
Generic competencies After successful graduation of the program, the student will be competent to:		
To act fairly and according to ethical obligations, think critically and self-critically, to evaluate an assessment within the scope of one's competence, and if it's necessary, ask for help, communicate and work in multicultural surround and international context, reach general goal	Lectures and seminars in classrooms, practical tasks at child's bedside in hospital and simulator classroom:	Continuing assessment during practical tasks in division of children diseases and simulator classroom: individual and team interview, oral case presentation and discussion,

	groups discussion and case analysis	relational assessment of knowledge
Collect, critically, analyse and generate learning information, to learn, including independent life-long learning. Use knowledge in practice, cooperate with specialists of other fields and experts of other sciences	Practical tasks at child's bedside in hospital and simulator classroom: groups discussion and case analysis	Preparing of papers and review, case history analysis, assessment of awareness
Subject-specific competences After successful graduation of program student will be competent to:		
Take history from children in any age and their relatives, use the data adequately for making clinical decisions.	Lectures and seminars in classrooms, practical tasks at child's bedside in hospital: case analysis, groups discussion and preparing of papers (academic paediatric clinical case history)	Oral case presentation, case analysis, paper assessment, at the end of VI th semester – examination at child's bedside as part of portfolio exam using individual colloquium in plan
Carry out a physical examination of different age children, using skills of inspection, palpation, percussion and auscultation	Practical tasks at the child's bedside in the hospital: case analysis, group discussion and preparing of papers (academic paediatric clinical case history)	Continuing assessment during practical tasks in the division of children diseases, paper assessment, at the end of VI th semester – examination at child's bedside as part of portfolio exam using individual colloquium in plan
Make clinical judgments and decisions indicating laboratory and instrumental testing in clinical cases, value their results	Practical tasks at the child's bedside in the hospital: case analysis, group discussion	Continuing assessment during practical tasks in a division of children diseases, paper assessment, at the end of VI th semester – examination at child's bedside as part of portfolio exam using individual colloquium in plan
Carry out physical examination of a healthy newborn, assess his maturity, reasonably suspect transitory conditions and the most common diseases of newborn, planning further tactics of examination and treatment if necessary	Lectures and seminars in classrooms, practical tasks at the child's bedside in the hospital: case analysis, group discussion and preparing of papers (academic paediatric clinical case history)	Continuing assessment during practical tasks in a division of children diseases, paper assessment, written examination at the end of the course as part of portfolio exam in plan

Topics	Contact work hours						Time and tasks of self-study
	Lectures	Consultations	Seminars	Practice	Total contact hours	Self-study	Tasks
Development of healthy child, growing, takes care on healthy and sick child. Prevention of children diseases.			1	1	2	4	Preparing for practice about periods of children's age, their specific illness, psychical, movement and lingual development with accent on characteristic age differences. Preparing for practice about prevention of children's diseases and vaccination recommendations.

Brest, formula, mixed and additional infant feeding; feeding of elder children, assessment of alimentary deficiency, children obesity	2		1	1	4	4	Preparing for practice in children feeding, terms and sequence of product introduction. Learning fundamentals of alimentary assessment in children
Clinical examination of different age child			1	1	2	2	Preparing for practice in methods of clinical examination according to paediatric principle "from simple to complicated and from conservative to invasive"
Paediatric anatomical and physiological peculiarities of different organ system, methods of physical examination, indications and method of laboratory and instrumental testing, semiotics	6		13	13	32	31	Preparing for practice in anyone organ system's about anatomo-physiologic peculiarities, clinical examination and assessment of testing results
Maturity and physical development of newborn, transitory conditions of newborn, diagnostics, differentials, treatment and prevention of the most common diseases in newborns	8		10	8	26	28	Preparing for practice about newborn maturity, learning newborn reflexes. Preparing for practices about haemolytic, haemorrhagic diseases of newborns', the most common embryo and fetopathies, prenatal infection and neonatal sepsis, perinatal hypoxia. Preparing for practices about preterm newborn adaptation, care and feeding peculiarities.
Total	16		26	24	66	69	

Assessment strategy	Weight (points)	Assessment period	Assessment criteria
Writing tests, as part of portfolio examination in plan	Up to 10	During Practices	Two tests from propaedeutics – maximum 3 points each, one test from neonatology – maximum 4 points.
Physical examination at child's bedside as part of portfolio exam in plan (Practical Part of the portfolio exam)	Up to 10	During Practices	Assessing ability of student to race case history and/or carry out physical examination of different age sick child and/or assessing results of laboratory or instrumental testing in subject.
Credit (cumulative accounting)	Included	Last day of Practices	Consist of 3 written tests and Practical Part of the portfolio exam (no less than 5 points)

Author	Year of publication	Title	No of periodical or vol. of publication	Publication place and publisher or Internet link
Required reading				
Robert M. Kliegman	2024	Nelson Textbook of Pediatrics	22 st edition	Available throw VU Subscribed Scientific Databases – ClinicalKey; https://www.clinicalkey.com/#!/browse/book/3-s2.0-C20161017121 https://virtualbiblioteka.vu.lt/
Prof. hab. dr. Arūnas Valiulis, Prof. dr. Augustina Jankauskienė, Prof. dr. Vaidotas Urbonas, Prof. dr. Jelena Rascon, Assoc. prof. dr. Arūnas Liubšys, Assist. dr.	2023	General Lectures of "General Paediatrics and Neonatology, Part I"	-	Downloaded in VMA system ("General Paediatrics and Neonatology, Part I")

Odeta Kinčiniienė, Assist. dr. Rūta Samaitienė-Alekniienė, Senior lect. dr. Robertas Kemežys				
Tom Lissauer Will Carroll	2022	Illustrated Textbook of Paediatrics'	6 th edition	Available throw VU Subscribed Scientific Databases – Elsevier; https://www.clinicalkey.com#!/browse/book/3-s2.0-C20190011636 https://virtualbiblioteka.vu.lt/
Lissauer, Tom Fanaroff, Avroy A Miall, Lawrence Fanaroff, Jonathan	2015	Neonatology at a glance	3rd edition	Available throw VU Subscribed Scientific Databases – Elsevier; https://virtualbiblioteka.vu.lt/
Recommended reading				
Mark H. Swartz MD	2021	Textbook of Physical Diagnosis. Basic chapter 24, with references to other parts of textbook		Available throw VU Subscribed Scientific Databases -ClinicalKey; https://www.clinicalkey.com#!/browse/book/3-s2.0-C20180009366
Learning website “ClinicalKey”	2023			Available throw VU library
Learning website “Medscape”	2023			Available throw VU library

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