



## DALYKO (MODULIO) APRAŠAS

Course unit title	Code
<b>Clinical practical skills formation (2023-2024)</b>	

Lecturer(s)	Department(s)
<p><b>Coordinating:</b> Assoc. Prof. Sonata Varvuolytė</p> <p><b>Others:</b></p> <p><b>Obstetrics/Gyneacology</b></p> <p>Lectr. Rūta Einikytė Breivienė</p> <p>Lectr. Ernestas Frolovas</p> <p>Lectr. Agnė Matuolytė</p> <p>Assist. Prof. Jelena Voločovič</p> <p>Assoc. Prof. Mindaugas Šilkūnas</p> <p>Assoc. Prof. Audronė Arlauskienė</p> <p>Assist. Prof. Diana Bužinskienė</p> <p>J.Assist. Prof. Kristina Norvilaitė</p> <p>Assoc. Prof. Jolita Zakarevičienė</p> <p>Assoc. Prof. Dalia Laužikienė</p> <p>Assoc. Prof. Daiva Bartkevčienė</p> <p>Prof. Korenelija Mačiulienė</p> <p>J.Assist. Prof. Brigita Vaigauskaitė-Mažeikienė</p> <p>Assist. Prof. Gediminas Mečėjus</p> <p>J.Assist. Prof. Linas Andreika</p> <p>Assist. Prof. Andrė Amšiejienė</p> <p>Lectr. Ieva Daunoravičienė</p> <p>Lectr. Bronius Žaliūnas</p> <p>Prof. Žana Bumbulienė</p> <p>Assoc. Prof. Vilius Rudaitis</p> <p><b>Surgery/Traumatology</b></p> <p>Prof. Gintaras Simutis</p> <p>Prof. Valentinas Uvarovas</p> <p>Assoc. Prof. Igoris Šatkauskas</p> <p>Assit. Prof. Andrius Karpavičius</p> <p>Lectr. Dovilė Ragažinskaitė</p> <p>Lectr. Rytis Žilevičius</p> <p>Lectr. Vygintas Aliukonis</p> <p><b>Pediatrics</b></p> <p>Prof. Augustina Jankauskienė</p> <p>Doc. Sigita Burokienė</p> <p>J. asist. Paulius Kalibatas</p> <p>Lekt. Eglė Lanzbergaitė-Manuilova</p> <p>Lekt. Aušra Steponavičienė</p> <p>J. asist. Edita Poluziorovienė</p> <p>Lekt. Ieva Žiūraitė-Loh</p> <p>Lekt. Elena Norgėlienė</p> <p>Doc. Arūnas Liubšys</p> <p><b>Internal diseases</b></p> <p>Assist. Prof. Vaiva Karpavičienė</p> <p>Assist. Prof. Dalia Mečkauskienė</p> <p>Lect. Gabija Guščiūtė</p> <p>Lectr. Igor Fomčenko</p> <p>Lectr. Diana Matelienė</p> <p>Lectr. Yana Vasileuskaya</p> <p>Lectr. Yana Buchel</p>	<p>Vilnius University</p> <p>Faculty of Medicine</p> <p>Institute of Clinical Medicine</p>

Lectr. Marius Buitkus Lectr. Asta Svirskienė-Yassen	
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Cycle	Level of the course unit	Type of the course unit
Integrated University Studies (stages I and II)	-	Compulsory

Mode of delivery	Period of delivery	Language of instruction
Practice in training rooms, simulation classes and health care institutions	IV course, spring semester, 8th	Lithuanian, English

Prerequisites and corequisites	
<b>Prerequisites:</b> A student must have completed the following courses: Introduction to Medical Studies (First Aid); Psychology, Basics of Professional Communication and Psychosomatics; Physiology; Propaedeutics of Internal Diseases and the Basics of Clinical Oncology; Pathology; Formation of Nursing Skills; General Pediatrics and Neonatology.	<b>Corequisites (if any):</b> -

Number of ECTS credits allocated to the course unit	Total student's workload	Contact hours	Self-study hours
5	134	67	67

Purpose of the course unit: Programme competences to be developed		
The aim is to strengthen students' general competences and develop their specific clinical skills in internal medicine, surgery and traumatology-orthopaedics, gynaecology and obstetrics and paediatrics.		
Learning outcomes of the course unit	Teaching and learning methods	Assessment methods
<b>General competencies</b> At the end of the study programme a graduate will be able:		
1. Professional qualities. 1.1. to act with integrity and ethical commitment; to be empathic; to think critically and self-critically; to be creative; to be initiative and goal-orientated; to be able to cooperate with others, to work individually and as a member of a team, to act in a multicultural environment.	Active practical learning methods: during practice in personal health care settings, communication with patients, staff and lecturers, students are introduced to the principles of communication and ethics, and develop the skills of appropriate communication with patients, their relatives and colleagues. Research methods: self-guided information search, literature reading, self-reflection.	Continuous assessment and feedback of practical skills on work, discussion of self-reflection/practice diary
<b>Subject-specific competences</b> At the end of the study programme a graduate will be able:		

<p>1. The student will be able to take a comprehensive and accurate medical and life history from the patient and/or his/her parents/relatives, assess and interpret clinical signs.</p> <p>2. The student will be able to develop a plan for patient follow-up and investigations, apply methods of investigation specific to the current pathology, and interpret the results obtained.</p>	<p>Active hands-on learning methods: students learn to communicate with patients, perform physical examination: inspection, palpation, percussion, auscultation, - evaluation of clinical laboratory and instrumental examinations, and carry out the procedures described in the simulator classroom and later in health care settings (patient consultations).</p> <p>Methods: review of visual teaching material (patients' examinations videos, recordings of interview with patients); listening to audio materials (cardiac, pulmonary auscultation); study of literature, teamwork, group discussions.</p>	<p>Continuous assessment and feedback of practical skills during practice, discussion of self-reflection/practice diary</p>
<p>3. Be able to critically evaluate and apply evidence-based advances in biomedical science</p> <p>4. Be able to perform the procedures listed in the description</p>	<p>Active practical teaching methods: during the practice in simulator classrooms and hospital wards, students learn to perform medical examination, examination, palpation, percussion, auscultation, manual skills to perform procedures, suture wounds, evaluate clinical laboratory and instrumental tests.</p> <p>Methods: review of visual teaching material (patients' examinations videos, recordings of interview with patients); listening to audio materials (cardiac, pulmonary auscultation); study of literature, teamwork, group discussions..</p>	<p>Continuous assessment and feedback of practical skills during practice, discussion of self-reflection/practice diary</p>
<p>5. Competent communication in medical practice. Communicate clearly, sensitively and effectively with patients, colleagues, patient relatives</p>	<p>Active practical teaching methods: communication exercises in a multicultural environment, in hospital units, where students learn to interact in practice with patients, their relatives, nurses and other team members.</p> <p>Methods: literature study, discussion.</p>	<p>Continuous assessment and feedback of practical skills during practice, discussion of self-reflection/practice diary</p>
<p>6. Application of ethical and legal principles in medical practice. Maintain confidentiality, apply ethical principles in clinical practice; fill in forms of person's informed agreement; apply national and European legislation in clinical practice.</p>	<p>Active practical teaching methods: during the practice placement, students learn to apply ethical principles in practice in a variety of clinical situations.</p> <p>Methods: literature study, discussions.</p>	<p>Continuous assessment and feedback of practical skills during practice, discussion of self-reflection/practice diary</p>

Topics	Contact work hours	Time and tasks for self-study
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	Lectures	Consultations	Seminars	Practice	Laboratory work	Practical raining	Total contac hours	Self studying	Tasks
<b>8 semester (spring)</b>									
Introduction to Clinical Practical Skills Development course. Overview of self-reflection on practical training.						5hours 6min			1. Prepare diary-self-reflection of practice.
Obstetrics and Gyneacology						15hours 21min			<ol style="list-style-type: none"> <li>1. Take a medical, obstetric/gynecological history</li> <li>2. Perform a physical and gynecological examination of the patient (gynecological examination in a simulation classroom)</li> <li>3. Perform external and internal obstetric examination</li> <li>4. Determine the due date and duration of pregnancy</li> <li>5. Listen to the fetal heartbeat</li> <li>6. Take genital samples for microbiological or PAP examination (in a simulation classroom)</li> <li>7. Perform breast palpation</li> </ol>
Surgery and Traumatology						15hours 21min			<ol style="list-style-type: none"> <li>1. Perform local anesthesia</li> <li>2. Apply and change surgical wound dressing</li> <li>3. Dressing wounds</li> <li>4. Remove sutures</li> <li>5. Perform initial wound repair</li> <li>6. Treat suppurating wounds</li> <li>7. Open superficial abscess</li> <li>8. Bandage various parts of the body</li> <li>9. Apply plaster cast, immobilization splint as an outpatient service</li> <li>10. Be able to stop external bleeding temporarily</li> <li>11. Perform transport immobilization</li> <li>12. Catheterize the bladder</li> <li>13. Perform fistula and stoma care</li> <li>14. Be able to prepare hands for surgery and dress</li> <li>15. Assist in surgery</li> <li>16. Work with surgical simulators</li> </ol>
BandaPediatics						15hours 21min			

<p>Assessment of a healthy newborn, key signs of possible neonatal disease</p> <p>Clinical examination of the baby and child. Medical triage of a sick child</p> <p>Simulation class: infant and child resuscitation skills, team resuscitation, administration and dosage of oxygen therapy, peripheral venous and bone puncture</p>								<ol style="list-style-type: none"> <li>1. Taking a medical history, performing a general examination of the newborn</li> <li>2. Checking the newborn's reflexes</li> <li>3. Auscultate and palpate the newborn, interpret findings</li> <li>4. Recognize the main signs of neonatal illness (skin rashes, jaundice, etc.)</li> <li>5. Taking a history of the baby's life and illness</li> <li>6. Perform an examination, palpation and auscultation of the baby and interpret findings.</li> <li>7. Make an observation and investigation plan and evaluate the results</li> <li>8. Taking a medical and life history of the child</li> <li>9. Examination, palpation and auscultation of the child, interpretation of findings</li> <li>10. Develop a research plan and evaluate the results</li> <li>11. Assess the condition of the sick child, determine the urgency category</li> <li>12. Perform external cardiac massage and artificial respiration using a mask-bag</li> <li>13. Administer and dose oxygen therapy</li> <li>14. Perform peripheral vein/bone puncture</li> </ol>
<p>Internal Diseases/Family Medicine</p> <p>Simulation class: Cardiology patient simulator</p> <p>Lung sound auscultation trainer</p>					15hours 21min			<p>Consult patients</p> <ol style="list-style-type: none"> <li>1. Taking a patient's medical history</li> <li>2. Perform a physical examination</li> <li>3. Assess clinical symptoms</li> <li>4. Establish an investigation plan</li> <li>5. Formulate preliminary/clinical diagnosis</li> <li>6. Dosage, prescription and dispensing of medicines</li> <li>7. Record and interpret ECG</li> <li>8. Calculate and evaluate Body Mass Index,</li> <li>9. Perform and assess pulse oximetry</li> <li>10. Familiarize yourself with oxygen therapy techniques</li> <li>11. Perform pleural puncture</li> <li>12. Perform ascites puncture</li> <li>13. Perform peripheral venous puncture and catheterization</li> <li>14. Perform electrical cardiac defibrillation</li> <li>15. Assess the social and psychological aspects of the patient's illness</li> <li>16. Promote health promotion</li> <li>17. Be able to maintain medical records</li> <li>18. Evaluate laboratory tests</li> <li>19. Interpret radiological examinations</li> <li>20. Clinical reasoning/differential diagnosis</li> </ol>
<b>Total:</b>					<b>67</b>	<b>67</b>	<b>67</b>	

<b>Assessment strategy</b>	<b>Assessment criteria</b>
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<b>Assessment requirements</b>	Participation in all CPSF practice course parts, prepared diary of practice and uploaded on VMA.
<b>Assessment methods</b>	Cumulative credit. Discussion and review of self-reflection.
<i>Medicinos studijų programos komiteto patvirtinta</i>	?

<b>Author</b>	<b>Year of publication</b>	<b>Title</b>	<b>No of periodical or vol. of publication</b>	<b>Publication place and publisher or Internet link</b>
<b>Compulsory reading</b>				
Lissauer T., Carroll W.	2018	Illustrated Textbook of Paediatrics'	5th Edition	eBook ISBN: 9780723438731 Elsevier. Prisijungimas per VU tinklą: <a href="https://www.clinicalkey.com/#!/browse/book/3-s2.0-C20130188952">https://www.clinicalkey.com/#!/browse/book/3-s2.0-C20130188952</a>
Brugha R., Marlais M., Abrahamson E.	2015	Vaikų klinikinio ištyrimo vadovas		Vilnius: Vaistų žinios,- p.284
Lissauer T., Fanaroff A., Miall L., Fanaroff J.	2021	Neonatologija	1st Edition	Vilnius, „Vaistų žinios“, 244 p. VU biblioteka
Kliegman R.M.	2020	Nelson Textbook of Pediatrics	21st Edition	Available throw VU Subscribed Scientific Databases - ClinicalKey
Van de Voorde P., Turner N.M., Djakow J. et all.	2021	European Resuscitation Council Guidelines 2021: Paediatric Life Support	Resuscitation Volume 161, April 2021, Pages 327-387	<a href="https://www.sciencedirect.com/science/article/pii/S030095722100068X?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S030095722100068X?via%3Dihub</a>
Lloyd M., Bor B., Noble L.	2019	Clinical Communication Skills for Medicine	4th Edition	<a href="https://www.clinicalkey.com/student/content/book/3-s2.0-B9780702072130000130">https://www.clinicalkey.com/student/content/book/3-s2.0-B9780702072130000130</a>
Ralston S.H., Penman I.D., Strachan M.W.Junior, Hobson R.P.	2018	Davidson's Principles and Practice of Medicine	23rd Edition	<a href="https://www.clinicalkey.com/student/content/book/3-s2.0-B9780702070280000366">https://www.clinicalkey.com/student/content/book/3-s2.0-B9780702070280000366</a>
<b>Optional reading</b>				