



COURSE UNIT DESCRIPTION

Course unit title	Code
Integrated internship and scientific work	

Lecturer(s)	Department(s)
Coordinating: asist. Prof. A. Klimašauskas Other(s): prof. J. Dadonienė; prof. D. Ramašauskaitė; prof. T. Poškus; prof. R. Čerkauskienė; assoc prof. V. Žilinskaitė; prof. V. Šapoka	Vilnius University, Faculty of Medicine, Institute of Clinical Medicine, Clinic of Internal Diseases, Family Medicine and Oncology, Santariškių St. 2 Vilnius

Cycle	Level of the course unit	Type of the course unit
Second (integrated studies)	-	Compulsory

Mode of delivery	Period of delivery	Language of instruction
Formation of practical skills in departments of obstetric and gynecology; surgery and traumatology; internal diseases; children diseases. Prepararation and defense of final research work (Final thesis)	12 semester,	Lithuanian/English

Prerequisites and co-requisites	
Prerequisites: The student must have completed all courses until spring semester of 6 th year of the studies.	Co-requisites (if any): -

Total number of ECTS credits allocated to the course unit	Total student's workload	Contact hours	Self-study hours
27	718	514	204
Number of credits allocated to the improvement of practical skills			
24			
Number of credits allocated to the internship exam and final research work			
3			

Purpose of course unit Programme competences to be developed		
To improve the theoretical and practical knowledge and skills which have been acquired in medicine program studies. To acquire additional skills and abilities needed for self-employment by the medical doctor who work according to the medical norm. To prepare for the medical profession and medical residency studies.		
Learning outcomes of the course unit	Teaching and learning methods	Assessment methods
1. Be able to provide consultations to the patient: 1.1. to collect the case history 1.2. to provide the medical examination 1.3. to come to the clinical assessment conclusion	Work with physicians and tutors of residents at the department.	Test (closed-ended tasks/questions) at the end of the course unit.

<p>and to be able to make the judgments</p> <p>1.4. to provide explanations and advice to patients</p> <p>1.5. to provide confidence and support to patients</p> <p>1.6. to assess the mental state of patients</p>		
<p>2. To know the most common clinical syndromes in the work of physician:</p> <p>2.1 to recognise and to assess the severity of clinical signs</p> <p>2.2 to order required tests and to interpret their results</p> <p>2.3 to carry out the differential diagnosis</p> <p>2.4 to compile the relevant monitoring plan of the patient</p>	<p>Work with physicians and tutors of residents at the department.</p>	<p>Test (closed-ended tasks/questions) at the end of the course unit.</p>
<p>3. Be able to administer treatment:</p> <p>3.1. be able to administer adequate and appropriate treatment</p> <p>3.2. be able to combine the relevant medicines and other treatment methods in the clinical context</p> <p>3.3. be able to assess the appropriateness and potential benefit and harm of medicines and other treatment methods.</p>	<p>Work with physicians and tutors of residents at the department.</p>	<p>Test (closed-ended tasks/questions) at the end of the course unit.</p>
<p>4. Be able to apply ethical and legal principles in the medical practice:</p> <p>4.1. be able to maintain confidentiality.</p> <p>4.2. be able to apply ethical principles in clinical practice.</p> <p>4.3. be able to complete informed consent forms.</p> <p>4.4. be able to issue a death certificate.</p>	<p>Work with physicians and tutors of residents at the department.</p>	<p>Test (closed-ended tasks/questions) at the end of the course unit.</p>
<p>5. Be able to assess psychological and social aspects for a patient's disease:</p> <p>5.1. be able to assess psychological factors and impact on disease episode.</p> <p>5.2. be able to assess social factors and impact on disease episode.</p> <p>5.3. be able to identify potential stress related to the disease.</p> <p>5.4. be able to identify the impact of alcohol and other harmful factors and addictions.</p>	<p>Work with physicians and tutors of residents at the department.</p>	<p>Test (closed-ended tasks/questions) at the end of the course unit.</p>
<p>6. Understand the principles of efficient communication in medical practice:</p> <p>6.1. be able to communicate with patients;</p> <p>6.2. be able to communicate with colleagues;</p> <p>6.3. be able to communicate in reporting bad news;</p> <p>6.4. be able to communicate with patients during completion of consent forms;</p> <p>6.5. be able to communicate in writing (as well as in completion of case history);</p> <p>6.6. be able to work in a team.</p>	<p>Work with physicians and tutors of residents at the department.</p>	<p>Test (closed-ended tasks/questions) at the end of the course unit.</p>
<p>7. Provide immediate care of medical emergencies:</p> <p>7.1. to provide advanced life support according to current European guidelines;</p> <p>7.2. be able to provide delivery support;</p> <p>7.3. provide trauma care according to current European guidelines.</p>	<p>Work with physicians and tutors of residents at the department.</p>	<p>Test (closed-ended tasks/questions) at the end of the course unit.</p>
<p>8. Be able to apply the principles of evidence-based medicine:</p> <p>8.1. be able to use scientifically-based evidence;</p> <p>8.2. be able to search for the relevant literature;</p> <p>8.3. be able to critically assess published medical literature.</p>	<p>Scientific literature search, patients cards analysis, preparing questionnaire for patients.</p>	<p>Review of scientific work.</p>

Topics	Contact work hours							Time and tasks of self-study	
	Lectures	Consultations	Seminars	Practice	Laboratory work	Practical training	Total contact hours	Self-study	Tasks
Obstetrics and gynaecology						126	126		Learn to choose the maternal care and treatment tactics at physiological pregnancy and childbirth, to diagnose pathological pregnancy and childbirth pathology. Learn to diagnose and choose the tactics in acute and urgent situations in obstetrics and gynecology.
Surgery and orthopaedics						126	126		Learn to diagnose and provide first aid and knowledge of surgical tactics of urgent and underlying diseases and syndromes.
Childs diseases						126	126		To be able to consult a sick child (newborn), to assess status of the patient, and to determine preliminary diagnosis and the severity of the condition, and to create the treatment plan.
Internal diseases						126	126		Learn to diagnose and choose the tactics for the initial treatment of urgent, underlying diseases and syndromes.
Final research work (Final thesis)		10					10	204	To prepare and to defend the final research work (Final theses).
Total:						504	514		

Assessment strategy	Weight	Assessment period	Assessment criteria
Final thesis	1/3	May-June	<p>The defense of the Final thesis takes place at the Defense Committee meeting.</p> <p>During the defense procedure the author of the Final thesis briefly presents the results of the research work, the content of which depends on the type of the work chosen: analytical or descriptive.</p> <p>The assessment of Final thesis as follows: 10 (Excellent): Excellent knowledge and skills 9 (Very good): Good knowledge and skills 8 (Good): Higher than average knowledge and skills 7 (Average): Average knowledge and skills. 6 (Satisfactory): Knowledge and skills below average. 5 (Weakly): Knowledge and skills still meet minimum requirements. Many errors. 4 (Unsatisfactory): Minimum requirements are not met.</p>
Exam	2/3	May-June	<p>The exam is written in a computer classroom.</p> <p>During the exam students sequentially receive initial information of four clinical cases from each discipline: obstetrics gynecology, surgery, children and internal diseases. Each case consists of 6 parts.</p> <p>Student:</p> <p>In part 1. Specifying anamnesis. In part 2. Describing clinical examination. In part 3. Orders of laboratory tests needed for the diagnosis. In part 4. Asks for the results of instrumental tests In part 5. Determines the clinical diagnosis In part 6. Providing treatment</p> <p>The assessment of exam is as follows: 10 (Excellent): Excellent knowledge and skills</p>

			<p>9 (Very good): Good knowledge and skills</p> <p>8 (Good): Higher than average knowledge and skills</p> <p>7 (Average): Average knowledge and skills.</p> <p>6 (Satisfactory): Knowledge and skills below average.</p> <p>5 (Weakly): Knowledge and skills still meet minimum requirements. Many errors.</p> <p>4 (Unsatisfactory): Minimum requirements are not met.</p>
Final mark			1/3 of final thesis assessment + 2/3 of exam assessment

Author	Year of publication	Title	No of periodical or vol. of publication	Publication place and publisher or Internet link
Required reading				
Robert M. Kliegman,, Bonita M.D. Stanton, Joseph St. Geme, Nina F Schor,	2016	Nelson textbook of paediatrics 20th edition		
<i>Tom Lissauer and Will Carroll</i>	2018	Illustrated Textbook of Paediatrics 5th edition		
Barbara L. Hoffman et al.		Williams Gynecology 3rd edition		www.accessmedicine.com
Crum, Christopher P et al	2016	Gynecologic and Obstetric Pathology		ClinicalKey; 2016 by Saunders, an imprint of Elsevier
F.G. Cunningham et al.	2014	Williams Obstetrics 24rd edition		The McGraw-Hill Companies www.accessmedicine
F. Charles Brunnicardi, Dana K. Andersen, Timothy R. Billiar, David L. Dunn, John G. Hunter, Jeffrey B. Matthews , Raphael E. Pollock	2015	Schwartz's Principles of Surgery, 10th edition		The McGraw-Hill Companies www.accessmedicine
Joseph S. Esherick, Evan D. Slater, Jacob A. David	2017	CURRENT Practice Guidelines in Primary Care		McGraw-Hill Education Online access through "Access medicine" database (VU subscription): http://accessmedicine.mhmedical.com/book.aspx?bookid=1977
Dennis Kasper, Anthony Fauci, Stephen Hauser, Dan Longo, J. Larry Jameson, Joseph Loscalzo	2015	Harrison's Principles of Internal Medicine, 19 edition		McGraw-Hill Education Online access through "Access medicine" database (VU subscription): http://accessmedicine.mhmedical.com/book.aspx?bookID=1130
Recommended reading				