

1.	Subject	GERIATRIC MEDICINE		
2.	Code	OM 626		
3.	Study Program	General Medicine		
4.	Institution (Unit, Institute, Chair, Department)	Ss Cyril and Methodius University, Medical Faculty, Department of Internal Medicine		
5.	Degree of education (first or second cycle)	Integrated 6-year study		
6.	Study year/semester	Six (VI) / Eleventh (XI)	7.Number of credits	2
8.	Responsible teacher	Prof Dr Sonja Genadieva Stavrik MD PhD		
9.	Preconditions	Completed course in Internal Medicine		
10.		<ul style="list-style-type: none"> • Course objectives (competencies): • Introduction to palliative medicine as an internist interdisciplinary science and its place in medical science • Introduction to the individual specifics of palliative medicine • Introduction to the particularities of the therapeutic approach in patients palliative care and terminal patients • Introduction to the ethical and legal aspects of palliative medicine • Dealing with pain with pharmacological and non-pharmacological means (ways) • Adopt communication skills and communication skills in special situations 		

11.	<p>Brief content</p> <p>Theoretical course:</p> <ul style="list-style-type: none"> • Pulmonary disorders in the geriatric population (Features in history, clinical examination and diagnostic procedures in elderly patients ,diseases of the respiratory system; Respiratory failure, pneumonia,chronic obstructive pulmonary disease, chronic pulmonary heart, pulmonary , tuberculosis, lung cancer) • Diseases of the cardiovascular system in old age (Diagnostic procedures in cardiology, electrocardiography, radiological, diagnosis of heart and lung, computerized tomography, magnetic resonance, dynamic electrocardiogram, echocardiography, phono-cardiography, Methods of nuclear cardiology; Heart failure, chronic heart failure, acute cardiogenic pulmonary edema; Inflammatory diseases of the valves – reumatic fever, mitral valve disease, aortic valve disease; endocarditis; Degenerative diseases of the heart valves; Coronary disease; prevention and treatment of atherosclerosis; Disorders of heart rhythm; pulmonary thromboembolism; Heart disease in metabolic disorders; diseases aortic and peripheral blood vessels; Arterial hypertension) • Hematological diseases in older person- anemias, myelodysplastic syndrome, leukemias (acute leukemia, chronic myeloid leukemia, chronic lymphatic leukemia), multiple myeloma, platelet disorder, coagulation disorders (DIC hemophilia, thrombosis, thromboembolism) • Oncological geriatric diseases (breast cancer, colon tumors) • Infectious diseases in the geriatric population (Acute inflammation of the respiratory system, viral hepatitis, herpes zoster, the Fever from unknown etiology; Purulent meningitis; Streptococcal infections; acute intestinal infections)
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	<ul style="list-style-type: none"> • Kidney disease in elderly - (primary and secondary glomerulopathy, tubulointerstitial disease , acute and chronic failure in kidneys , urinary tract infections) • Endocrine disorders in old age (Diabetes, Thyroid Disease gland; Bone disease, osteoporosis, osteomalacya; Hormone laboratory diagnostics) • Rheumatic diseases - (degenerative diseases of the joints,osteoporosis, rheumatoid arthritis, systemic lupus, systemic sclerosis, arthritis, polymyalgia rheumatica, fibromyalgia, Rehabilitation, Physical activity and exercise in geriatric population) • Diseases of gastroenterology system, (Diseases of the oral cavity, acute GI conditions, diseases of the esophagus,, gastric and duodenal diseases , diseases of the small bowel and colon, diseases in anorectal area, Hepato-biliary diseases , pancreatic diseases, tumors of the gastrointestinal tract) • Neurological disorders (cerebrovascular stroke, epilepsy, syncope, pain syndrome, balance disorder, ataxia, extrapyramidal system diseases, dementia, and intracranial expansive processes, neuromuscular disorders in the geriatric population.) • Psychiatric disorders in the geriatric population (neuroses, psychoses, Neurotic senile syndrome, senile depressive psychosis, senile dementia, treatment of mental disorders, ethics psycho-geriatric) • Psychology of Aging (Psychological theory aging, aging and skills, social relationships in old age, streenje and health) • Changes in skin with age (most common skin disease in old age - pruritus, erythroderma, action on drugs, reaction to light, hypostatic dermatitis, psoriasis; Skin infections in geriatric; The most common tumors)
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12.	Methods of studying: Interactive teaching during lectures and practical trainings, independent study by using textbooks, seminars and practical teaching			
13.	Total available time:	60 classes		
14.	Organization of the course	40 classes - theoretical course, practical course, seminars 20 classes - home individual learning		
15.	Forms of teaching activities	15.1.	Theoretical course	30 classes
		15.2.	Practical course, Seminars	10 classes
16.	Other forms of activities	16.1.	Practice	
		16.2.	Individual tasks	
		16.3.	Individual (home) learning	20 classes
17.	Method of assessment			

17.1	Tests	In order to get a signature for the course, students are requested to actively participate in the activities, including the continual assessment (the tests).	
		Activity type	Points
			Min
		Theoretical course (lectures) *	2
		Practical course**	28
		Seminar papers	/
		Continual assessment - 2	/
		Final exam	30
		Total	60
<p>Points for the activities of the student:</p> <p>* theoretical course attendance (lectures) 51% - 60% - 2 point; 61% - 70% - 4 points; 71% - 85% - 6 points; 86% - 100% - 8 points;</p> <p>** practical course: practice is carried out for 5 days x 6</p>			

		working hours provided for activities (total 30 hours) . Journal of clinical activities assignments for which the student receives points. Mentoring principle. Presence: 4 points Activity (skills): 6 points
17.2	Seminar paper/project (oral/written presentation)	min – max
17.3	Active participation	min – max
		Theoretical course 2

		Practical course	28		
18.	Grading criteria (points / grade)	up to 59 points	5 (five) F		
		from 60 to 68 points	6 (six) E		
		from 69 to 76 points	7 (seven) D		
		from 77 to 84 points	8 (eight) C		
		from 85 to 92 points	9 (nine) B		
		from 93 to 100 points	10 (ten) A		
19.	Requirement for signature and taking the final exam	<p>The student is required to actively follow all of the planned activities.</p> <p>Conditional criteria for assessment of knowledge: In order to get a signature, the student should obtain minimum points in both theoretical and practical courses.</p> <p>In order to take the final exam, the student should obtain the minimum points in the continual assessments;</p> <p>If the student has not obtained the minimum points in the continual assessments, he/she will be obligated to pass them before the final exam.</p>			
20.	Language of instruction	Macedonian			
21.	Method of monitoring the quality of teaching process	Attendance of students to classes and interactive participation in theoretical and practical lessons.			
22.	Textbooks				
	22.1.	Mandatory			
		1.	Harrison's Principles of Internal Medicine 19/E	Anthony S. Fauci; Dan Longo; Dennis L. Kasper; J. Larry Jameson; Joseph Loscalzo; Stephen Hauser	2015 by McGraw- Hill Education
2.		Goldman-Cecil Medicine, 25th Edition	Lee Goldman MD (Author), Andrew I. Schafer MD		2015

	22.2.	Additional			