

Name of discipline	Geriatrics		
Type	Compulsory	Credits	II
Academic year	VI	Semester	IX
Number of hours	Course	10	Practice/laboratory work
	Seminar	10	Self-training
Component	Specialized		
Course holder	Bodrug Nicolae, University professor, d. hab. med. sc.		
Location	Puskin 51 str., Clinical Hospital of the Ministry of Health, Labor and Social Protection		
Conditionings and prerequisites of:	Program: basic knowledge in related disciplines such as: pathophysiology, neuro-psychology, bioethics, internal medicine, oncology.		
	Competences of Basic digital skills (internet use, document processing, use of text editors, electronic tables and presentation applications), communication skills and teamwork.		
Mission of the discipline	The mission of the discipline is to provide theoretical and practical support by teaching skills, abilities in practicing medicine as an important part of maintaining the health and quality of life of the elderly. Studying the most important general aspects of geriatrics, aspects of human physiological and pathological aging, demographic data and global and national socio-economic aspects of the elderly population, theories of aging, aging criteria, major geriatric syndromes, approach to poly pathological elderly patients.		
Overview of the topics	Human aging. Demographic data and socio-economic aspects. General notions of gerontology and geriatrics. Aging criteria. Gerontological diagnosis. Approaching and evaluating the elderly patient. Confusion, dementia and depression in the elderly. Fragility, falls in the elderly. Principles of geriatric pharmacotherapy.		
Outcomes	<ul style="list-style-type: none"> <li>• To know the fundamental particularities of geriatrics and gerontology and the role of geriatrics in the context of internal medicine.</li> <li>• To know and apply in practice the clinical examination of the geriatric patient, the complex geriatric examination, the interpretation of the changes of the paraclinical examination in the geriatric department.</li> <li>• To know the particularities of the algorithm of clinical diagnosis and gerontological diagnosis of the elderly patient with comorbidities pathologies.</li> <li>• To be able to argue the application of etiological, pathogenetic and symptomatic treatment to the geriatric patient.</li> <li>• To use clinical reasoning in order to assess geriatric scores, high geriatric syndromes in the elderly.</li> <li>• To be able to systematize and correctly interpret the results of the clinical and paraclinical examination, the argumentation</li> </ul> <p>To be competent to use the knowledge in the direction of explaining the physiological and pathological processes of aging, the appreciation of biological age.</p> <ul style="list-style-type: none"> <li>• To be competent of using informational and communication technologies in order to obtain information from the scientific field.</li> </ul>		

	<ul style="list-style-type: none"> <li>• To be competent to comment on prophylaxis strategies in the elderly.</li> <li>• To be stimulated for the accumulation and enrichment of the acquired knowledge.</li> </ul>
Clinical skills	<ul style="list-style-type: none"> <li>• To know the correct interpretation of laboratory examinations in the elderly</li> <li>• To apply the formulation of the gerontological diagnosis in terms of existing pathologies</li> <li>• To integrate the association of the gerontological diagnosis with the clinical diagnosis, after obtaining the necessary clinical and paraclinical data</li> <li>• To know the neuro-psychic changes in the elderly (macroscopic, histological, neurochemical, vascular)</li> <li>• To know the specific changes of the intellectual performances depending on the advancing age</li> <li>• To know the conduct tactics of the geriatric patient in a confused state, the indication of the necessary informative investigations</li> <li>• To apply the concept of fragility in the context of gerontological diagnosis</li> <li>• To define the notion of falls in the elderly</li> <li>• To know the correlation between aging and the ability to maintain balance and gait</li> <li>• To know the pharmacological particularities in senescence</li> <li>• To know the mechanisms of absorption, distribution, metabolism, excretion of drugs in the elderly</li> <li>• To know the action of groups of drugs used in geriatrics</li> <li>• To interpret possible pharmacological accidents in the elderly.</li> </ul>
Evaluation form	exam