

Faculty of Medicine / APPLIED PHYSIOTHERAPY / PHYSIOTHERAPY IN CARDIOLOGY

Course:	PHYSIOTHERAPY IN CARDIOLOGY			
Course ID	Course status	Semester	ECTS credits	Lessons (Lessons+Exercises+Laboratory)
2013	Mandatory	5	4	2+1+0
Programs	APPLIED PHYSIOTHERAPY			
Prerequisites	none			
Aims	In the introductory part, the student should acquire basic knowledge about heart and vascular diseases, their diagnosis, evaluation and treatment, and in the special part, he should acquire specialized knowledge about physical training, exercises and physical modalities in their treatment and rehabilitation.			
Learning outcomes	It is expected that the student after passing the examination in this subject will be able to: 1. Interpret properly basic concepts of anatomy, physiology and pathophysiology of the heart and vascular system 2. Describe and define the various diseases of the heart and vascular system. 3. Understand and describe the impact of diseases of the heart and vascular system on the functioning and the quality of life of the patient 4. Plan and implement physiotherapy procedures used in the treatment and rehabilitation in a variety of diseases of the cardiovascular system (angina pectoris, myocardial infarction, thrombophlebitis, deep vein thrombosis, thromboembolism). 5. Understand the importance of interprofessional teamwork in the rehabilitation of patients with diseases of the cardiovascular system			
Lecturer / Teaching assistant	prof dr Emilija Nikolic assistant-Jelena Bulatovic			
Methodology	Lectures and exercises. Preparation of seminar papers. Consultations. Studying for colloquiums and the final exam.			
Plan and program of work				
Preparing week	Preparation and registration of the semester			
I week lectures	Anatomy of the cardiovascular disease			
I week exercises	Anatomy of the cardiovascular disease			
II week lectures	Physiology of cardiovascular disease			
II week exercises	Physiology of cardiovascular disease			
III week lectures	Angina pectoris stabilis , non stabilis			
III week exercises	Angina pectoris stabilis, non stabilis			
IV week lectures	Rehabilitation of the Angina pectoris			
IV week exercises	Rehabilitation of the angina pectoris			
V week lectures	Infarctus myocardial			
V week exercises	Infarctus myocardial			
VI week lectures	Rehabilitation of the Infarctus myocardial			
VI week exercises	Rehabilitation of the Infarctus myocardial			
VII week lectures	Colloquium 1			
VII week exercises	Colloquium 1			
VIII week lectures	stent, By-pass after myocardial infarctus			
VIII week exercises	Stent, By-pass after myocardial infarctus			
IX week lectures	Rehabilitation after implementation of the stent, by-pass.			
IX week exercises	Rehabilitation after implementation of the stent, by-pass.			
X week lectures	Thrombophlebitis, Phlebotrombosis			
X week exercises	Thrombophlebitis, Phlebothrombosis			
XI week lectures	Rehabilitation, or physiotherapy after Thrombophlebitis, and Phlebothrombosis			
XI week exercises	Rehabilitation, or physiotherapy after Thrombophlebitis, and Phlebothrombosis			
XII week lectures	Vegetative neurons system			

XII week exercises	Vegetative neurons system					
XIII week lectures	Colloquium 2					
XIII week exercises	Colloquium 2					
XIV week lectures	Tumor in cor					
XIV week exercises	Tumor in cor					
XV week lectures	Rehabilitation after operation tumor in cor					
XV week exercises	Rehabilitation after operation tumor in cor					
Student workload	Classes and final exam: (5.33 hours) x 16 = 85.33 hours Necessary preparations before the beginning of the semester (administration, registration, certification): (5.33 hours) x 2 = 10.66 hours Total workload for the course: 4 x 30 = 120 hours Load structure: 85.33 hours (classes and final exam) + 10.66 hours (preparation) + 24 hours (supplementary work)					
Per week			Per semester			
4 credits x 40/30=5 hours and 20 minuts 2 sat(a) theoretical classes 0 sat(a) practical classes 1 excercises 2 hour(s) i 20 minuts of independent work, including consultations			Classes and final exam: 5 hour(s) i 20 minuts x 16 =85 hour(s) i 20 minuts Necessary preparation before the beginning of the semester (administration, registration, certification): 5 hour(s) i 20 minuts x 2 =10 hour(s) i 40 minuts Total workload for the subject: 4 x 30=120 hour(s) Additional work for exam preparation in the preparing exam period, including taking the remedial exam from 0 to 30 hours (remaining time from the first two items to the total load for the item) 24 hour(s) i 0 minuts Workload structure: 85 hour(s) i 20 minuts (cources), 10 hour(s) i 40 minuts (preparation), 24 hour(s) i 0 minuts (additional work)			
Student obligations			Students are required to attend classes, to work and submit seminar papers and to do both colloquiums.			
Consultations			The same day after classes			
Literature			S. Dodic: Comprehensive cardiac rehabilitation (2020) E. Nikolic:teaching lectures in script Physiotherapy in cardiology, Teaching texts, Faculty of Applied Physiotherapy, Igalo, 2016;.			
Examination methods			Attendance and monitoring of classes is evaluated with a maximum of 5 points; 2 seminar papers are evaluated with a maximum of 5 points (each paper with 2.5 points); 2 colloquiums are evaluated with a maximum of 40 points (each colloquium with 20 points); the final exam is evaluated with a maximum of 50 points; a passing grade is obtained if at least 50 points are accumulated			
Special remarks			none			
Comment			none			
Grade:	F	E	D	C	B	A
Number of points	less than 50 points	greater than or equal to 50 points and less than 60 points	greater than or equal to 60 points and less than 70 points	greater than or equal to 70 points and less than 80 points	greater than or equal to 80 points and less than 90 points	greater than or equal to 90 points