

Faculty of Medicine / APPLIED PHYSIOTHERAPY / ORTHOPEDICS

Course:	ORTHOPEDICS			
Course ID	Course status	Semester	ECTS credits	Lessons (Lessons+Exercises+Laboratory)
901	Mandatory	4	2	2+0+0
Programs	APPLIED PHYSIOTHERAPY			
Prerequisites	Passed exams in Anatomy with Histology I, Anatomy with Histology II.			
Aims	Students should acquire basic knowledge about congenital and acquired orthopedic diseases and orthopedic procedures and surgeries from the aspect of applied physiotherapy.			
Learning outcomes	It is expected that the student after passing the examination in this subject will be able to: 1. Recognize and describe pathophysiological processes and mechanisms in the development of disorders and diseases of bone and joint system 2. Describe and distinguish clinical disorders and diseases of bone and joint system 3. Describe and distinguish different treatment options of disorders and diseases of bone and joint system 4. Recognize and describe congenital and acquired diseases of bone and joint system in segments 5. Describe the injuries of the bone-joint system, explain the process of healing and treatment methods			
Lecturer / Teaching assistant	Prof. dr Žarko Dašić, PhD			
Methodology	Lectures, homework, consultations, studying for colloquiums and the final exam.			
Plan and program of work				
Preparing week	Preparation and registration of the semester			
I week lectures	Lectures, homework, consultations, studying for colloquiums and the final exam			
I week exercises				
II week lectures	Normal and impaired bone healing			
II week exercises				
III week lectures	Principles of diagnostics in orthopedics			
III week exercises				
IV week lectures	Biomechanics in orthopedics			
IV week exercises				
V week lectures	Non-surgical orthopedic treatment			
V week exercises				
VI week lectures	Surgical treatment			
VI week exercises				
VII week lectures	Congenital anomalies of the bone and joint system			
VII week exercises				
VIII week lectures	First colloquium			
VIII week exercises				
IX week lectures	Acquired anomalies of the bone and joint system			
IX week exercises				
X week lectures	Bone dysplasia			
X week exercises				
XI week lectures	Affections of the pineal gland and metabolic and hormonal diseases of the skeleton			
XI week exercises				
XII week lectures	Second colloquium			
XII week exercises				
XIII week lectures	Inflammatory diseases of the bone and joint system			
XIII week exercises				

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XIV week lectures	Degenerative diseases of the bone and joint system					
XIV week exercises						
XV week lectures	Tumors of the bone and joint system					
XV week exercises						
Student workload	During the semester Lectures and final exam: 2h40 x 16 = 42h40 Necessary preparations before the beginning of the semester (administration, registration, certification): 2h40 x 2 = 5h20 Total workload for the course: 2 x 30 = 60h Supplementary work for exam preparation in the make-up exam period, including taking the make-up exam from 0 to 30 hours (remaining time from the first two items to the total workload for the course): 12h Structure of the workload: 42h40 (lectures), 5h20 (preparation), 12h (supplementary work)					
Per week			Per semester			
2 credits x 40/30=2 hours and 40 minuts 2 sat(a) theoretical classes 0 sat(a) practical classes 0 excercises 0 hour(s) i 40 minuts of independent work, including consultations			Classes and final exam: 2 hour(s) i 40 minuts x 16 =42 hour(s) i 40 minuts Necessary preparation before the beginning of the semester (administration, registration, certification): 2 hour(s) i 40 minuts x 2 =5 hour(s) i 20 minuts Total workload for the subject: 2 x 30=60 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) 12 hour(s) i 0 minuts Workload structure: 42 hour(s) i 40 minuts (courses), 5 hour(s) i 20 minuts (preparation), 12 hour(s) i 0 minuts (additional work)			
Student obligations			Students are required to attend classes, study for exercises, hand in any homework given by the professor and do both colloquiums.			
Consultations						
Literature			Z. Vukašinović et al.: General Orthopedics, Institute for Orthopedic-Surgical Diseases »Banjica«, Belgrade, 2002.			
Examination methods			Regular attendance of lectures is evaluated with a total of 5 points; two homework assignments are evaluated with a total of 5 points (each assignment worth 2.5 points); two colloquiums are evaluated with a total of 40 points (each colloquium worth 20 points); the final exam is evaluated with 50 points. A passing grade is obtained if at least 50 points are accumulated cumulatively.			
Special remarks						
Comment						
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