

Faculty of Medicine / HIGHER MEDICAL SCHOOL / METHODOLOGY OF THE RESEARCH IN HEALTHCARE

Course:	METHODOLOGY OF THE RESEARCH IN HEALTHCARE							
Course ID	Course status	Semester	ECTS credits	Lessons (Lessons+Exer cises+Laboratory)				
10739	Mandatory	5	2	2+2+0				
Programs	HIGHER MEDICAL SCHOOL							
Prerequisites	There are no requirements for listening and registering subjects.							
Aims	Acquisition of basic knowledge of research methodology and application of statistical methods and procedures.							
Learning outcomes	1. Adopts and knows the logic of the scientific-research approach in health care 2. Knows different quantitative and qualitative data collection methods 3. Knows the basic measures of descriptive statistics 4. Tests the statistical significance of the difference 5. Examines the association between variables							
Lecturer / Teaching assistant	Assistant professor Aleksandra Klisic Dr med Mirjana Nedović Vuković							
Methodology	Lectures, exercises, seminar work, colloquium, consultations.							
Plan and program of work								
Preparing week	Preparation and registration of the semester							
I week lectures	Introduction to scientific research methodology in healthcare (science, scientific way of thinking).							
l week exercises								
II week lectures	Methodology of scientific research							
II week exercises								
III week lectures	Scientific research technology (hypothesis, variables, inference)							
III week exercises								
IV week lectures	Types of research							
IV week exercises								
V week lectures	Sample and population	, sampling						
V week exercises								
VI week lectures	Research planning, data collection and measurement							
VI week exercises								
VII week lectures	Statistical methods of data processing in scientific research work, interpretation of results.							
VII week exercises								
VIII week lectures	Colloquium							
VIII week exercises								
IX week lectures	Presentation of data, written formulation of research results.							
IX week exercises								
X week lectures	The nature and arrangement of medical information.							
X week exercises								
XI week lectures	Medical information available on the Internet							
XI week exercises								
XII week lectures	Information seeking in medicine							
XII week exercises								
XIII week lectures	Evidence-based medicine							
XIII week exercises								
XIV week lectures	Control of application of research results							



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XIV week ex	ercises							
XV week lec	tures	Scient	ific research integri	ity				
XV week exe	ercises							
Student wo	orkload	In the semester Teaching and final exam: (2.66 hours) x 16 = 42.56 hours Necessary preparations before the beginning of the semester (administration, enrollment, certification): (2.66 hours) x 2 = 5.32 hours Total workload for the course: $2 \times 30 = 60$ hours Load structure: 42.56 hours (classes and final exam) + 5.32 hours (preparation) + 12 hours (additional 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 2 excercises -2 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 (cources), 5 hour(s) i 20 minuts (preparation), 12 hour(s) i 0 minuts (additional work)					
Student obligations			Attendance at theoretical and practical classes - interdisciplinary approach, checking knowledge at the colloquium, writing a seminar paper					
Consultations			Additional information about the subject can be obtained from the subject teacher.					
Literature			Jovan Savić, Stela Filipi Matutinović. Metodologija naučnog saznanja I. Beograd. Data Status, 2013; Jovan Savić, Stela Filipi Matutinović. Metodologija naučnog saznanja II. Beograd. Data Status, 2014					
Examination methods			Class attendance - 6 points Engagement in class - 4 points Colloquium - 20 points Seminar paper - 20 points Final exam - 50 points A passing grade is obtained if 50 points are accumulated cumulatively					
Special remarks			/					
Comment			Additional information about the subject can be obtained from the subject teacher, the head of the study program and the vice dean for teaching.					
Grade:	F		E	D	С	В	Α	
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	