

NAME OF THE COURSE		Research methods in kinesiology (sport and exercise sciences)				
Code		Year of study	1st year of graduate study			
Course teacher	Full professor Damir Sekulić	Credits (ECTS)	3			
Associate teachers	Assistant professor Tošo Maršić Assistant professor Šime Veršić Barbara Gilić, mag.cin Toni Modrić, mag.cin	Type of instruction (number of hours)	L	S	E	F
			30	15	0	0
Status of the course	Elective	Percentage of application of e-learning				
COURSE DESCRIPTION						
Course objectives	Getting knowledge and skills for making research designs, collecting and processing data and writing a scientific article.					
Course enrolment requirements and entry competences required for the course						
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul style="list-style-type: none"> <li>- Select relevant scientific literature</li> <li>- Measure quantitative and qualitative data</li> <li>- Choose an adequate statistical analysis method</li> <li>- Determine descriptive statistical parameters, correlations and differences between analysed variables</li> <li>- Compare research findings with existing ones</li> <li>- Valorise the significance of scientific knowledge</li> <li>- Assess the scientific and practical value of knowledge</li> </ul>					
Course content broken down in detail by weekly class schedule (syllabus)	Course content (lectures)		Number of hours	Classes held by		
	Kinesiological science		1	Prof.dr.sc. Damir Sekulić		
	Types of research and scientific papers in kinesiology and sports		2	Prof.dr.sc. Damir Sekulić		
	Research process in kinesiology		2	Prof.dr.sc. Damir Sekulić		
	Choosing a scientific research topic		2	Prof.dr.sc. Damir Sekulić		
	Literature search		2	Prof.dr.sc. Damir Sekulić		
	Development of a research framework		2	Prof.dr.sc. Damir Sekulić		
	Research question and hypothesis		2	Prof.dr.sc. Damir Sekulić		
	Study design		2	Prof.dr.sc. Damir Sekulić		
	Research preparation and data collection		2	Prof.dr.sc. Damir Sekulić		
	Data analysis		4	Doc.dr.sc. Tošo Maršić		
	Writing a scientific article		5	Doc.dr.sc. Šime Veršić		
	Publication of a scientific article		2	Doc.dr.sc. Šime Veršić		
Presentation of a scientific article		2	Doc.dr.sc. Šime Veršić			

	Course content (seminars)		Number of hours	Classes held by		
	Research preparation and data collection		2	Mag.cin. Barbara Gilić		
	Data analysis		2	Doc.dr.sc. Tošo Maršić		
	Writing research introduction		2	Mag.cin. Barbara Gilić		
	Writing research methods		2	Doc.dr.sc. Tošo Maršić		
	Writing and analysing research results		2	Mag.cin Barbara Gilić		
	Writing discussion and conclusion		2	Mag.cin. Toni Modrić		
	Presentation of the research		2	Mag.cin. Toni Modrić		
Oral presentation of the research		1	Mag.cin. Toni Modrić			
Format of instruction	<input checked="" type="checkbox"/> lectures <input checked="" type="checkbox"/> seminars and workshops <input type="checkbox"/> exercises <input type="checkbox"/> <i>on line</i> in entirety <input type="checkbox"/> partial e-learning <input type="checkbox"/> field work		<input checked="" type="checkbox"/> independent assignments <input type="checkbox"/> multimedia <input type="checkbox"/> laboratory <input checked="" type="checkbox"/> work with mentor <input type="checkbox"/> (other)			
Student responsibilities						
Screening student work (name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course)	Class attendance	1	Research		Practical training	
	Experimental work		Report		(Other)	
	Essay		Seminar essay	1	(Other)	
	Tests		Oral exam	1	(Other)	
	Written exam		Project		(Other)	
Grading and evaluating student work in class and at the final exam	Final grade on the course Research methods in kinesiology (sport and exercise sciences) is determined based on the achieved results from: <ul style="list-style-type: none"> <li>- seminar - draft of the research and its presentation (carries 50% of the final grade)</li> <li>- oral exam - carries 50% of the final grade</li> </ul>					
Required literature (available in the library and via other media)	Title			Number of copies in the library	Availability via other media	
	Gratton, C., & Jones, I. (2014). Research methods for sports studies. Routledge.				Moodle	
	Atkinson, M. (2011). Key concepts in sport and exercise research methods. Sage.				Moodle	
	Lecture presentations available on Moodle page of the course				Moodle	
Optional literature (at the time of submission of study programme proposal)	<ul style="list-style-type: none"> <li>• Beck TW. The importance of a priori sample size estimation in strength and conditioning research. J Strength Cond Res. 2013 Aug;27(8):2323-37. doi: 10.1519/JSC.0b013e318278eea0. PMID: 23880657.</li> <li>• Sekulic D, Spasic M, Esco MR. Predicting agility performance with other performance variables in pubescent boys: a multiple-regression approach. Percept Mot Skills. 2014 Apr;118(2):447-61. doi: 10.2466/25.10.PMS.118k16w4. PMID: 24897879.</li> </ul>					
Quality assurance methods that ensure the acquisition of exit competences	Individual work with teacher, conversation, participation in class, oral seminar presentation, class attendance registering, final questionnaire on the subject and teacher efficiency.					
Other (as the proposer wishes to add)						