Subject	Advanced Research Methods and Statistics								
-	Туре	Semester	ECTS						
Туре	ELECTIVE (E)	2	3						
Lecturer	Dr. Milaim Berisha								
Aims and Objectives	It is aimed to provide information on scientific texts, data analysis, and preparation of research reports in accordance with scientific ethical rules. Besides this, the lesson aims to increase the independence of using the computer programs for data analysis, performance evaluation, and report of the data.								
Learning Outcomes	Upon completion of this module, students shall be able to: Explain the methods of accessing scientific information and data collection. Examine scientific texts. Prepare a research report in accordance with scientific ethical rules. Apply ethical standards, software and legal restrictions. Compose and explains the scientific research proposal. Explain the reporting according to scientific writing rules. Increase of the independence on computer program using during research and analysis of the data Select the right analysis for the certain data based on the aim of the study Apply statistical analysis Interprets data analysis								
Content	Choosing the appropriate rest. Limitations and advantages of the state of the stat	earch estions and hypotheses ental, and non-experimental de search design for different studi of different research designs emple, and sampling frame y sampling methods eart 1) nethods a collection methods eart 2) eents applications in data collection emedian, mode, standard deviat aNOVA, correlation, regression tistical test for different types o	ion, variance						

	Fd: -1:							
	Ethical issues in sport and health sciences research							
	Case studies and ethical dilemmas 9 Presenting Research Findings							
	9							
			research reports	ા and anicles s: tables, figures, gra	nhe			
					pris			
		Oral presentations and conference posters						
	Peer review process and publication ethics 10 Research Proposal Development							
	Components of a research proposal Writing research aims, objectives, and hypotheses Developing a research plan: timeline, budget, resources							
	Peer review and feedback on research proposals							
	11	Publication process of the research						
	12	Future challenges of the research methods						
	Mid-term exam – 2							
	Activity					Weight (%)		
Teaching/Learnin g Methods	Lectures				40%			
	Paper				40%			
	Independent learning				10%			
	Other				10%			
	Methods	ls of asse	ssment:			%		
	Participation			10%				
Assessment		erm exam	ı -1			20%		
Methods	b) Mid-term exam - 2				20%			
	Research paper				50%			
	Activity Weekly hours			Workload				
	Lectures 2				24			
ECTS Workload	Lab n/a				12			
	Independent learning n/a				29			
	Examina	ation prepa	aration		n/a	10		
Literature	 Shyamaprasad Mukherjee (2019). A Guide to Research Methodology: An Overview of Research Problems, Tasks and Methods, ISBN: 978-0-367-25620-3 Andy Field (2016). An Adventure in Statistics: The Reality Enigma, ISBN: 978-1-4462-1045-1 (pbk) Andy Field (2013). Discovering Statistics Using IBM SPSS statistics. 4th edition. ISBN: 978-1-4462-4918-5 (pbk) Andy Field, Jeremy Miles, and Zoë Field (2012). Discovering Statistics Using R, ISBN: 978-1-4462-0045-2. Template of the KOSALB International Journal of Human Movements Science: https://kosalbjournal.com/index.php/pub/writingrules 							
Ethical standards	This course follows UBT College's Code of Ethics, requiring all students to behave accordingly. Any case of academic misconduct, including but not limited to cheating, plagiarism, or other forms of dishonesty, will lead to significant punishment such as failure of the specific assessment or the entire course, as well as further disciplinary measures in accordance with UBT College's academic integrity policies.							
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