

Subject	Advanced Research Methods and Statistics		
Type	Type	Semester	ECTS
	MANDATORY (M)	2	3
Lecturer	Assoc. Prof. Dr. Milaim Berisha		
Aims and Objectives	It is aimed to provide information on, data analysis, and preparation of research reports in accordance with high index journals. Besides this, the lesson aims to increase the independence of using the computer programs for data analysis, performance evaluation, and report of the data. The course aims to make able students to compose and complete full paper study.		
Learning Outcomes	<p>Upon completion of this module, students shall be able to:</p> <ul style="list-style-type: none"> • Increase of the independence on computer program using during research and analysis of the data • Compose and explains the scientific research proposal. • Compose and publish a full-text paper in accordance with high index journals, Scopus, Web of Science, PubMed, etc. 		
Content	Week	Topics	
	Syllabus presentation		
	1	Research process (Overview and understanding the research process)	
	2	Problem and aim, and title of the study (how to start a paper? Determining the problem and make a reasonable paper, determining the aim of the study)	
	3	Literature overview related to the determined problem and aim of the study (checking the current literature and relate the relevance of study and literature)	
	4	Research Design (determining research design such as experimental, quasi-experimental, and non-experimental designs, etc. Choosing the appropriate research design for different studies)	
	5	Sampling Methods (population, sample, and sampling frame, sample size determination, bias and errors in sampling, ethical considerations)	
	6	Data Collection Methods (qualitative and quantitative methods, experimental studies, surveys, systematic review, etc.)	
	Mid-term exam – 1		
	7	Data Analysis (choosing the right analysis based in study design, data collection tools, and aim of the study)	
	8	Presenting Research Findings (writing research reports and articles, creating effective visuals: tables, figures, graphs, peer review process and publication ethics)	
	9	Proper conclusion (features of the conclusion such as main results, benefits of study, limitations, suggestions)	
	10	Literature section of research (what to take in consideration about literature in every step of research)	
11	Publication process of the research		
12	Future challenges of the research methods		
Mid-term exam – 2			
Teaching/Learning Methods	Activity	Weight (%)	
	Lectures	40%	
	Paper	40%	
	Independent learning	10%	
Assessment Methods	Other	10%	
	Methods of assessment:		
	Participation	10%	
	a) Mid-term exam -1	20%	
	b) Mid-term exam - 2	20%	
Research paper (intended for mandatory publication)	50%		
ECTS Workload	Activity	Weekly hours	Workload

	Lectures	2	20
	Paper	n/a	20
	Independent learning	n/a	25
	Examination preparation	n/a	10
Literature	<ul style="list-style-type: none"> • 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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