

**FACULTY OF SOCIETY AND SCIENCE  
STUDY COURSE DESCRIPTION**

<b>Course Title:</b>	<b>QUANTATIVE RESEARCH METHODS</b>				
<b>Course code (LAIS)</b>	<b>Citi5001</b>				
<b>Study programme</b>	<b>Strategic Communication and Governance/Media and Information Literacy</b>				
<b>Type of study program</b>	<input checked="" type="checkbox"/>	Academic Master			
<b>Type of study course</b>	<input checked="" type="checkbox"/>	Compulsory course (Part A)			
	<input type="checkbox"/>	Professional specialization courses (Part B, compulsory)			
	<input type="checkbox"/>	Professional specialization optional courses (Part B, optional)			
	<input type="checkbox"/>	Elective courses (Part C)			
<b>Course workload</b>	<b>Credits</b>	<b>ECTS</b>	<b>Academic hours</b>	<b>Contact hours</b>	<b>Independent work hours</b>
	2	3	80	24	56
<b>Course author/ tutor</b>	<b>Vineta Silkāne</b>				
	Assistant professor, Dr.psych., Mg.math.				
	<a href="mailto:vineta.silkane@va.lv">vineta.silkane@va.lv</a>				
	Consultation: according to the schedule for each semester				
<b>Type of studies</b>	Full time studies				
<b>Study year, semester</b>					
<b>Language</b>	Latvian/ English				
<b>Prerequisites for the course</b>	--				
<b>Course summary</b>	The aim of the course is to deepen students' understanding of quantitative methods of data analysis and to develop skills for their use in research				
<b>Course Methods, including description of the organization of students' individual work and tasks:</b>	<ul style="list-style-type: none"> <li>– Lectures, seminars, practical sessions etc.</li> <li>– Literature studies, research project, case studies, essays etc.</li> </ul>				
<b>Assessment:</b>	Exam				
<b>Requirements for Credits and Criteria for Assessing the Course Results:</b>	<ul style="list-style-type: none"> <li>– All independent assignments must be prepared and submitted on time</li> <li>– All independent course assignments must follow the instructions described in this course syllabus.</li> <li>– All independent course assignments must adhere to the academic and/or ViA principles of ethics. Any violation of academic and/or ViA principles of ethics will result in an unsatisfactory grade for this course.</li> <li>– Only upon the satisfactory completion of all independent course assignments, will a student be allowed to take the final exam.</li> <li>– A student must adhere to class attendance policies.</li> <li>– Attendance in seminars and sessions with practical class assignments are mandatory. Only in the case of an excused absence, will a student be allowed to complete a written make-up assignment.</li> <li>– In order to successfully complete this course, a student must submit all independent assignments and receive a satisfactory grade (no lower than 4) for each assignment.</li> </ul> <p>Assessment:</p> <ul style="list-style-type: none"> <li>– Study assignments – 40 %</li> <li>– Exam – 60 %</li> <li>– All student work will be assessed in 10-point system.</li> </ul>				
<b>Abiding by the Academic Ethics</b>	<p>Students must abide by the academic and research ethics, Vidzeme University of Applied Sciences Ethics Regulations, incl.:</p> <ul style="list-style-type: none"> <li>– study papers must be independently developed;</li> <li>– the study work should reference all statements, ideas and data used that have been authored by someone else;</li> </ul>				

	<ul style="list-style-type: none"> <li>– appropriate data acquisition methods should be used in the acquisition of data, the research ethics must be respected, empirical data must be collected independently and cannot be distorted or falsified;</li> <li>– the examination must be carried out by the student independently, without the use of supporting materials and/or consultations with other students, unless the lecturer states otherwise.</li> </ul> <p>In the event of non-compliance with the academic and research ethics, punishment is imposed in accordance with the ViA Ethics Regulations and the study course must be re-taken, unless the punishment is extramarital.</p>	
<b>Learning outcomes; the evaluation methods</b>	<b>Learning outcomes</b>	<b>The evaluation methods</b>
	<b>Knowledge</b>	
	Will be familiar with the methods of statistical data analysis	study assignments, seminars, tests, exam
	<b>Skills</b>	
	Will be able to apply descriptive and inferential statistics in SPSS or R environment	study assignments, seminars, tests, exam
	<b>Competencies</b>	
	Will be able to choose the most appropriate data analysis strategy and methods for the study	study assignments, seminars, tests, exam
	Will be able to perform statistical data analysis	study assignments, seminars, tests, exam
<b>Course literature</b>	<ul style="list-style-type: none"> <li>– Arhipova I., Bāliņa S (2003). <i>Statistika ekonomikā. Risinājumi ar SPSS un Microsoft Excel</i>. Rīga: Datorzinību centrs (bibliotēka un arī e-punkts)</li> <li>– Field, A, Miles J., &amp; Field, Z. (2012). <i>Discovering statistics using R</i>. SAGE</li> <li>– Field, A. (2009). <i>Discovering statistics using SPSS</i>. SAGE</li> <li>– Leech, N. L., Barrett, K., C., &amp; Morgan, G. A. (2008). <i>SPSS for intermediate statistics</i>. Lawrence Erlbaum Associates</li> </ul>	
<b>Additional literature</b>	<ul style="list-style-type: none"> <li>– Mārtinsons, K., Pipere, A., Kamerāde, D. (Red.) (2016). <i>Pētniecība: teorija un prakse</i>. Rīga: RaKa</li> <li>– Raščevska M., Kristapsone S. (2000). <i>Statistika psiholoģijas pētījumos</i>. Rīga: Izglītības soļi</li> </ul>	
<b>Course confirmation date</b>	December 11, 2019.	
<b>Date of course syllabus update</b>		

### Study course plan

Date	Theme	Academic hours		Study Form/ Organization of independent work of students and task description
		Contact hours	Independent work hours	
<i>The date is specified before the implementation of the course</i>	Quantitative data analysis methods	2	4	Lecture, seminar
	SPSS, R	4	8	Lecture, practical session
	Descriptive statistics	2	6	Lecture, practical session
	Correlation analysis. Regression analysis	5	14	Lecture, practical session
	t-test, ANOVA, ANCOVA	5	14	Lecture, practical session
	Nonparametric statistics	4	10	Lecture, practical session
	Exam	2		Exam
<b>Hours total:</b>		<b>24</b>	<b>56</b>	