

FACULTY OF SOCIETY AND SCIENCE
STUDY COURSE DESCRIPTION

Course title	Quantitative Research Methods				
Course code (LAIS)	Citi5001				
Study programme	Media and Information Literacy				
Type of study program	☒	Master program			
Type of study course	☒	Compulsory course (Part A)			
	☐	Professional specialization courses (Part B, compulsory)			
	☐	Professional specialization optional courses (Part B, optional)			
	☐	Elective courses (Part C)			
Course workload	Credits	ECTS	Academic hours	Contact hours	Independent work hours
	2	3	80	24	56
Course author/ tutor	Vineta Silkāne				
	vineta.silkane@va.lv				
	Consultation: according to the schedule for each semester				
Type of studies	Full time studies				
Study year, semester	1., 1.				
Language	Latvian/ English				
Prerequisites for the course	--				
Course summary	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				
Course Methods, including description of the organization of students' individual work and tasks:	– Lectures, seminars, practical sessions etc. – Literature studies, research project, case studies, essays etc.				
Assessment:	Exam				
Requirements for Credits and Criteria for Assessing the Course Results:	– All independent assignments must be prepared and submitted on time – All independent course assignments must follow the instructions described in this course syllabus. – 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. – Only upon the satisfactory completion of all independent course assignments, will a student be allowed to take the final exam. – A student must adhere to class attendance policies. – 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. – 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. Assessment: – Study assignments – 40 % – Exam – 60 % – All student work will be assessed in 10-point system.				
Course content	Quantitative data analysis methods SPSS, R				

	Descriptive statistics Correlation analysis. Regression analysis t-test, ANOVA, ANCOVA Nonparametric statistics	
Learning outcomes; the evaluation methods	Learning outcomes	The evaluation methods
	Knowledge	
	Will be familiar with the methods of statistical data analysis	study assignments, seminars, tests, exam
	Skills	
	Will be able to apply descriptive and inferential statistics in SPSS or R environment	study assignments, seminars, tests, exam
	Competencies	
	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
Course literature	– Arhipova I., Bāliņa S (2003). <i>Statistika ekonomikā. Risinājumi ar SPSS un Microsoft Excel</i>. Rīga: Datorzinību centrs (bibliotēka un arī e-punkts) – Field, A, Miles J., & Field, Z. (2012). <i>Discovering statistics using R</i>. SAGE – Field, A. (2009). <i>Discovering statistics using SPSS</i>. SAGE – Leech, N. L., Barrett, K., C., & Morgan, G. A. (2008). <i>SPSS for intermediate statistics</i>. Lawrence Erlbaum Associates	
Additional literature	– Mārtinsone, K., Pipere, A., Kamerāde, D. (Red.) (2016). <i>Pētniecība: teorija un prakse</i>. Rīga: RaKa – Raščevska M., Kristapsone S. (2000). <i>Statistika psiholoģijas pētījumos</i>. Rīga: Izglītības soļi	
Course confirmation date	08.11.2017.	
Date of course syllabus update		

Study course plan

Theme	Academic hours		Study activities
	Contact hours	Independent work hours	
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
	24	56	