

Title of the Course		RESEARCH DESIGN	
Amount in credit points/ECTS)	2/3	Volume (in hours	80
Grounding	-		
Science Sector	Economy and Business		
Science Subsector	Econometrics		
Summary of academic hours		Amount (academic hours)	
Distance learning		40	
Contact hours / video lessons		8	
Exercises, self – assessment questions and tests		14	
Individual work/ discussions in distance		16	
Exams/tests		2	
1. level professional study programme	Law		
Author(s) of the course	Mg. psych. Liga Roke-Reimate		
Lecturer(s) of the course	Mg. psych. Liga Roke-Reimate		
Goal of the course:	To acquaint students with the basic principles, stages and research methods of scientific research and to prepare them for theoretical and empirical research within the framework of their qualification work.		
Requirements for obtaining credit points (structure of course evaluation):	<u>The final evaluation is calculated:</u> Moodle discussions and tasks – 40% Exam – 60% <i>For obtaining final evaluation, both activities should hold successful evaluation – not below 4 points.</i> <i>Final evaluation is the average grade in 10-point system, in proportion of percentage distributed amongst both activities</i>		
Study Results			
<p>1. Knowledge:</p> <p>1.1. Students understand the terms of scientific research and the meaning of correctly conducted research.</p> <p>1.2. Students know the types of research, strategies and stages of research development.</p> <p>1.3. Students are familiar with different data acquisition methods and the conditions of their use.</p> <p>2. Skills:</p> <p>2.1. Students are able to formulate the research goal and questions / hypotheses based on the problem and its topicality.</p> <p>2.2. Students are able to select the sources of scientific literature corresponding to their research and use them in the literature review.</p> <p>2.3. Students are able to use different data acquisition methods in the development of their research.</p> <p>2.4. Students are able to design the theoretical and empirical part of research papers in accordance with the requirements for designing a qualification paper.</p> <p>3. Competency:</p> <p>3.1. Students are able to design their own research and select appropriate research methods according to the purpose of the research.</p> <p>3.2. Students are able to critically judge the strengths and limitations of their own or other research</p> <p>3.3. Students are able to use knowledge of the scientific research method in drawing conclusions and</p>			
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making decisions.

Content of the Course

No.	Subjects	Contact hours, video, audio lessons	Distance learning	Exercises, self- assessment questions and tests	Individual task – remote discussion. Description of the individual task is available in the E- studies.	Exams/tests
1.	Scientific, especially applied research objectives, basic principles, basic notions. Description of scientific approach, purpose and usefulness. General description of research process. Difference between scientific and non-scientific approach; examples of scientific and non-scientific explanation for one problem.	8	3	2	16	2
2.	Theoretical and empirical research. Strategies and types of researches. Quantitative, qualitative and mixed strategy, description of strategy, weaknesses and restrictions.		4	2		
3.	Overview of literature as an important part of research. Work with scientific article databases, selection of information sources, creation of summary. Requirements for preparation of theoretical part of the research. Types of literature sources and criteria. Ways for obtaining information;		5	2		

	bibliography. How to do analyses of the literature and to prepare overview of the literature. Referencing. Writing styles.					
4.	Research process stages. Formulation of the problem, designing a research question or hypothesis, formulating the purpose and subject of the research, developing a research design for the research work. Planning of the research, possible risks to the reliability of the research and their reduction.		5	2		
5.	Methods of obtaining information for the research (qualitative research, quantitative research). Choosing the most appropriate method according to the purpose of the research.		4	2		
6.	Statistical method of the study. Statistical concept, subject and methods. Benefits from statistical analysis opposite to intuitive, simplified calculations. Measurements and statistical scales. Data analysis and statistical indicators. Data analysis using descriptive and conclusive statistical tools		5	2		
7.	Representation of the results of the research, design requirements. Why are there design requirements (including examples of successful and unsuccessful designs). Stages of the study work development process, structure of the work,		4	2		

	design and defence.					
8.	Interpretation of the research results in relation to the question / hypothesis, linking the results with the practical aspects of the topic and real problem situations. Examples of correct and less correct conclusions from the research results. Ethical aspects of scientific research. Types of plagiarism.		4	2		
TOTAL:		8	34	18	16	2
		80				

Mastering the course and successfully passing examination, student is capable of (*knowledge, skills and competencies*)

Study Results:	Evaluation Criteria		
	(40-69%)	(70-89%)	(90-100%)
Knowledge	Recognize the basic concepts of scientific research, name the types of research and research development stages; distinguish between experimental and non-experimental research design; name the main methods of data acquisition and analysis; to recognize the types of literature sources and to distinguish between scientific and non-scientific literature sources.	Describe the concepts of scientific research, the meaning of correctly conducted research and the types and strategies of research, stages of research development; describe the main methods of data acquisition and analysis and the conditions of their use; to distinguish between different types of literature sources, their scientific quality criteria and the principles of scientific language.	Explain the concepts of scientific research, the meaning of correctly conducted research; to describe types of research and strategies, research development stages; name subtypes of non-experimental designs; to describe in detail the main methods of data acquisition and analysis, the conditions and restrictions of their use; to describe different types of literature sources, their scientific quality criteria and the principles of scientific language.

Skills	Generally formulate the research goal and questions / hypotheses, choose data acquisition and analysis methods; collect empirical data and analyze results, draw conclusions; to design the theoretical and empirical part of the research work in accordance with the main requirements for the design of the qualification paper.	Clearly formulate the research goal and questions / hypotheses, create the research design, choose the appropriate data acquisition and analysis methods; to plan and organize the acquisition of empirical data, to analyze and interpret the results, to draw correct conclusions; to design the theoretical and empirical part of the research work in accordance with most of the qualification work design requirements.	Clearly and correctly formulate the research goal and questions / hypotheses, create and substantiate the research design, choose the appropriate data acquisition and analysis methods; to plan and organize the acquisition of empirical data, to analyze and comprehensively interpret the results, to draw correct conclusions; to choose the most appropriate literature sources; to design the theoretical and empirical part of the research work in accordance with all the requirements for the design of the qualification paper.
Competencies	To develop the basic elements of the research design, to make improvements in it after receiving constructive criticism and recommendations; be aware of the strengths and limitations of their research; briefly present the design of your research, the obtained results and conclusions.	Independently design your research and improve it after receiving constructive criticism and recommendations; be aware of the importance of the scientific method in making evidence-based decisions; critically judge the strengths and limitations of your research; clearly present the design of your research, the obtained results and	To responsibly and independently develop the design of one's research and to objectively explain the chosen research methods; be aware of the importance of the scientific method in making evidence-based decisions and use this method in different contexts; critically judge the strengths and limitations of one's own and other research, make

		conclusions.	reasonable proposals for improving research design; responsibly use ethical principles in research; comprehensively present the design of your research, the obtained results and conclusions.
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Acknowledgement of the obtained study results

Study Results	1.	2.	3.
Evaluation Method			
Moodle discussions/tasks	x	x	x
Exam	x	x	x

Core Literature

1.	Kristapsone, S. (2014). Scientific Research During the Study Process. <i>Second revised edition</i> . Riga: Biznesa augstskola Turība.
2.	Kristapsone, S., Kamerade, D., Lazda, R., u.c. (2011). Introduction to Research: <i>Strategies, Desings, Mothods</i> . Riga: RaKa.
3.	Kropļijs, A., Rascevska, M. (2010). Qualitative Research Methods in Social Siences. Riga: RaKa
4.	Cooper, D.R. (2014). <i>Business research methods</i> . New York: McGraw-Hill

Additional Literature

1.	Hancké, B. (2009). <i>Intelligent Research Design: a Guide for Beginning Researchers in the Social Sciences</i> . New York: Oxford University Press.
2.	Easterby-Smith, M. (2008). <i>Management research</i> . London: Sage.
3.	Gosa, Z. (2003). <i>Statistics: Student's book</i> . Riga: Latvijas Universitate.
4.	Kristapsone, S. (2020). <i>Methods of statistical analysis in research</i> . Riga: Biznesa augstskola Turība.

Recommended Periodicals

1.	Social Science Research. https://www.journals.elsevier.com/social-science-research
2.	Articcles of Latvijas Universitate. Economy. Management Science. (annual eddition). https://www.lu.lv/apgads/lu-raksti-pdf/
3.	Research in Economics (Eds. Michele Boldrin, David K. Levine). http://www.economics-ejournal.org/
4.	Economics E-Journal (Ed. D.Snowe). http://www.economics-ejournal.org/