DESCRIPTION OF COURSE UNIT

1.

Course unit title	Code
Science Research Methodology and Ethics	100100

2.

Name of lecturer(s) (provide information as to how, when and where they can be in contact)	Department(s)
Coordinator: Assoc. Prof. Dr. Tomas Butvilas **a. o.: Prof. Dr. Valdonė Indrašienė**	Institute of Educational Sciences and Social Work esdi@mruni.eu

3.

Cycle of course unit	Level of course unit	Type of course unit
Third cycle	Not applicable	Mandatory

4.

Mode of delivery	Year of study and semester when the course unit is delivered	Language of instruction
Face-to-face and (or) distance learning	I-III study year	Lithuanian, English

5.

Study requirements	
Prerequisites: Master's or equivalent degree	**Co-requisites:** Not applicable

6.

Recommended optional programme components
N/A

7.

Number of ECTS credits allocated	Student's workload	Contact work hours	Independent work hours
8	216	30	186

8.

Purpose of the course unit: programme competences to be developed
To develop knowledge, develop understanding and develop abilities that enable to create, follow the basic principles of research ethics, to model and justify the research methodological strategy, conceptualizing the parameters of the chosen research design in the context of the scientific problem; develop, adapt and modify research instruments in the context of planned and modeled research; to analyze and evaluate methodological accuracy and correctness of scientific reports and to prepare independent scientific report.

Learning outcomes of the programme	Learning outcomes of the course unit	Teaching and learning methods	Assessment methods
To be able to follow the principles of research ethics, to develop, model and justify the methodological strategy of scientific research by conceptualizing the parameters of the chosen research design in the context of the scientific problem.	Will be able to justify the chosen research methodological strategy.	Seminars, discussions, problem-based learning, group work	Reflective discussion, arguments, visualization
	Will be able to conceptualize the main parameters of the chosen research design in the context of a scientific problem.	Seminars, critical thinking, consulting, creative self-assignments	Presentation of research design

To be able to design, adapt and modify research instruments according to planned and modeled research and ethical norms of research.	Will be able to critically evaluate published research instruments.	Seminars, discussions, problem-based learning, group work	Reflective discussion, arguments, visualization
	Will be able to creatively and originally create, adapt and modify instruments for planned research.	Seminars, critical thinking, consulting, creative self-assignments	Presentation of research design
To be able to analyze and evaluate methodological accuracy and correctness of scientific reports and to prepare independent scientific report.	Will be able to analyze and evaluate scientific reports.	Seminars, discussions, problem-based learning, group work	Reflective discussion, arguments, visualization
	Will be able to correctly prepare independent scientific report.	Seminars, critical thinking, consulting, creative self-assignments	Presentation of research design

9.

	Course contents									
		Contact work hours and planned learning activities							Independent work hours and tasks	
Topics	Lectures	Consultations	Seminars	Training exercises	Laboratory work	Internship	Assessment	All contact work hours	Independent work hours	**Tasks**
1. Context of Social and Humanities Research. Research Ethics.			8				8	51		Analysis of scientific articles
2. Research designs and sample selection in the social sciences and humanities.			4				4	25		Analysis of research reports
3. The data collection process and research tools in social sciences and humanities research.			5				5	30		Analysis of research reports Modeling own research
4. The process of data analysis in social sciences and humanities research.			5				5	30		Analysis of research reports Modeling own research
5. Strategies for qualitative and quantitative research.			4				4	25		Analysis of research reports Modeling own research
6. Concepts for the preparation and presentation of dissertations and research papers in the social sciences and humanities.			4				4	25		Analysis of research reports Modeling own research

	Overall			**30**				**30**	**186**		

10.

Assessment strategy	Weighting percentage	Period or date of assessment	Assessment criteria
Independent creative work based on selected research design in the context of dissertation research problem	75	At the end of the semester	15% - based on research ontology, epistemology and axiology. 10% - accurate and clear use of scientific terms. 10% - substantiated and conceptually linked methodological parameters of the research. 15% - Selected research design is developed and justified. 15% - reasonable methods of data collection and analysis. 10% - Correctly collected, analyzed, summarized and interpreted primary data required for the study.
Written exam	25	At the end of the semester	Accuracy, consistency, clarity.

11.

Required reading

1. Blaikie, Norman W. H. 2010. *Designing Social Research: The Logic of Anticipation*. 2nd ed. Cambridge ; Malden (Mass.): Polity Press.
2. Hoecke, Mark van. 2011. *Methodologies of Legal Research : Which Kind of Method for What Kind of Discipline?* European Academy of Legal Theory Monograph Series. Oxford: Hart Publishing.
3. Israel, Mark. 2015. *Research Ethics and Integrity for Social Scientists: Beyond Regulatory Compliance*. 2nd ed. London: SAGE Publications Ltd.
4. McConville, Michael, and Wing Hong Chui. 2017. *Research Methods for Law*. Second edition. Research Methods for the Arts and Humanities. Edinburgh: EUP.

Recommended reading

1. Bryman, Alan. 2008. *Social research methods*. Oxford: Oxford University Press.
2. Creswell, John W. 2011. *Designing and conducting mixed methods research*. 2nd ed. Thousand Oaks (Calif.): SAGE Publications.
3. Langbroek, Philip, Kees van den Bos, Marc Simon Thomas, Michael Milo, ir Wibo van Rossum. 2017. „Methodology of legal research: Challenges and opportunities". *Utrecht Law Review* 13: 1–8.
4. *Lietuvos humanitarinių ir socialinių mokslų plėtros problemos*. (2004). Vilnius: LII leidykla.
5. Kardelis, Kęstutis. 2016. *Mokslinių tyrimų metodologija ir metodai: edukologija ir kiti socialiniai mokslai: vadovėlis*. Vilnius: Mokslo ir enciklopedijų leidybos centras.
6. Kumar, Ranjit. 2014. *Research Methodology: A Step-by-Step Guide for Beginners*. 4th ed. London ; Thousand Oaks (Calif.) ; New Delhi: SAGE Publications.
7. Miller, Tina, Maxine Birch, Melanie Mauthner, ir Julie Jessop. 2012. *Ethics in Qualitative Research*. London: SAGE Publications Ltd.
8. Tidikis, Rimantas. 2003. Socialinių mokslų tyrimų metodologija. Vilnius: Lietuvos teisės universiteto Leidybos centras.
9. Žydžiūnaitė, Vilma, ir Stanislav Sabaliauskas. 2017. *Kokybiniai tyrimai: principai ir metodai: vadovėlis socialinių mokslų studijų programų studentams*. Vilnius: Vaga.