

Subject name/code:	<b>Research methods 2 BNY-DK-162A</b>	
Subject coordinator:	Head of the Doctoral School	
Lecturer(s) of the subject:	Reményi, Andrea PhD, associate professor	
Credits:	8 credits	
Lesson type:	seminar	
Brief subject description:	The aim of the course is for students to become familiar with and be able to apply quantitative data collection and data analysis methods used in applied linguistics research. The course develops skills in research design, data processing, and data analysis. Students gain practical experience in using the most commonly applied statistical tests and the SPSS software, and they become capable of critically interpreting quantitative and mixed-methods research as well as applying these approaches in their own research.	
Theoretical knowledge to be acquired:	The aim of the course is to prepare students to confidently and independently apply the tools of quantitative research in their own studies. During the course, the theoretical and philosophical frameworks underlying the quantitative approach are first introduced, followed by an overview of the most important methods of data collection. These include the collection and handling of text-based data, questionnaire and interview data, as well as data obtained through observation and experiments. The course also addresses mixed-methods research and explores how quantitative research can be integrated into it.	
Practical knowledge to be acquired:	Within the framework of the course, important aspects of data analysis are emphasized, such as data reduction, the examination of reliability, the issue of the generalizability of results, comparative techniques between groups, and various forms of analysis of variance. During the course, students also become familiar with the most commonly used statistical tests, their practical interpretation and application, as well as with the SPSS statistical analysis software and its use.	
List of the most important required literature (2–4 pieces) with bibliographical details (author, title, edition or specific pages, ISBN)	Dörnyei, Z., & Dewaele, J.-M. (2023). <i>Questionnaires in second language research: Construction, administration, and processing</i> . Routledge. ISBN 9781032364315 Dörnyei, Z. (2007). <i>Research methods in applied linguistics: Quantitative, qualitative and mixed methodologies</i> . Oxford University Press. ISBN 9780194422581	
List of the most important recommended literature (2–4 pieces) with bibliographical details (author, title, edition or specific pages, ISBN)	Salcedo, J., & McCormick, K. (2020). <i>SPSS statistics for dummies</i> (4th ed.). John Wiley & Sons. ISBN: 978-1-119-56083-8 Nassaji, H. (2025). <i>Applied linguistics research: A comprehensive guide to methodology, design, analysis, and evaluation</i> . Cambridge University Press. ISBN 9781108480673 Brezina, V. (2018). <i>Statistics in corpus linguistics: A practical guide</i> . Cambridge University Press. ISBN 9781316410899	
Theory to practice ratio: 10 % practice – 90 % theory	Number of theoretical contact hours: 12	Number of practical contact hours: 12

<p>Applied teaching methods:</p>	<p>During the course, a variety of practice-oriented methods are used to ensure that students actively participate in the learning process and acquire the fundamental steps of quantitative research and the use of SPSS. The sessions include individual and group problem-solving tasks, pair work, data processing and analysis exercises, as well as joint discussions of quantitative studies already published in academic journals. Students prepare an individual presentation in which they present and critically analyze a previously published quantitative study related to their own research topic. In addition, they practice the application of statistical methods through data interpretation exercises. Throughout the course, debate and interactive elements are regularly incorporated, promoting the development of independent research thinking, a critical perspective, and practical competencies.</p>
<p>Method of assessment:</p>	<p>seminar grade</p>
<p>Assessment criteria:</p>	<ul style="list-style-type: none"> <li>- 80-100% = Excellent (5)</li> <li>- 60-79% = Satisfactory (3)</li> <li>- 0-59% = Unsatisfactory (1)</li> </ul>
<p>How the subject contributes to the achievement of the learning outcomes at level 8 of the MKKR, as identified as learning outcomes in the doctoral school's training programme?</p> <p>Elaborate on the way in which competence elements specified in the Training and Outcome Requirements are/may be achieved <i>(Note: do not simply copy the competence elements from the Training and Outcome Requirements)</i></p>	<p><b>Knowledge:</b> Familiar with quantitative research methods in applied linguistics; familiar with the most important methods of data collection; familiar with the principles and some methods of quantitative data analysis; familiar with the most common tests in descriptive and inferential statistics.</p> <p><b>Skills:</b> Able to select appropriate data collection and data analysis methods for their own research; able to critically evaluate the research methods used in their own and others' studies.</p> <p><b>Attitude:</b> Familiar with and applies the principles of ethical research.</p> <p><b>Autonomy and responsibility:</b> Able to formulate meaningful and responsible research questions and design their research accordingly.</p>