

OBSAH

1. Dissertation Defense	2
2. Dissertation Examination.....	3
3. Doctoral Students' Seminar 1	4
4. Doctoral Students' Seminar 2.....	6
5. Doctoral Students' Seminar 3.....	8
6. Doctoral Students' Seminar 4.....	10
7. Doctoral Students' Seminar 5.....	12
8. English language for doctoral students	15
9. Participation in research	20
10. Qualitative research	25
11. Research stay	29
12. Statistical methods in applied psychological research	31
13. Theory and Methodology of Science.....	37

University: Catholic University in Ružomberok	
Faculty: Faculty of Arts and Letters	
Course code: CAP/Cj-P002O/22	Course title: Dissertation Defense
Type and range of planned learning activities and teaching methods: Form of instruction: Recommended study range: hours weekly: hours per semester: Teaching method: on-site	
Credits: 60	Working load: 1500 hours
Recommended semester/trimester: 6.	
Level of study: III.	
Prerequisites:	
<p>Requirements for passing the course: The conditions are the submitted dissertation and its successful defense before a commission whose members includes the opponents of the dissertation. The opponents are selected from among experts in the field, who are usually not employees of the student's institution, and only one of them can be from the university where the doctoral student is studying. The opponent will prepare a written review, in which s/he comments on the relevance of the chosen topic, the fulfillment of the objective, the chosen methods, the results of the dissertation and the contribution to the further development of scholarship. The reviewer will express in the report whether or not he / she proposes the award of an academic degree on the basis of the submitted work and evaluates it with a standard classification level (A - Fx). After the defense, the commission will evaluate the course and result of the defense and the use of the results of the dissertation in a closed session. The commission will decide in a secret ballot whether to propose to award the doctoral student a doctoral academic degree.</p>	
Learning outcomes of the course: Knowledge K1 - PhD student has comprehensive knowledge and deeply understands the problems and discussions related to the topic of the dissertation. Skills S1 - PhD student demonstrates the ability to formulate and design their own scientific text in accordance with the strict principles of scientific integrity. Competencies C1 - the doctoral student is able to clearly and eruditely present the results of their work and lead a professionally based controversy about them. C2 - the doctoral student is prepared for independent scientific and creative activity in the field of research and development. Verification method / method: K1, S1, C2: the doctoral student will prove it in his dissertation; C1, C2: the doctoral student presents his / her work and discusses with opponents or members of the commission during the defense.	
Course contents: The subject is framed by the valid directive on doctoral studies. Prior to defending the dissertation, the doctoral student prepares the dissertation independently under the guidance of the supervisor.	

This is a final work, which usually contains a theoretical introduction that analyzes the current state of knowledge in the field, the characteristics of objectives, a detailed description of the procedures used, results achieved, their evaluation, discussion, conclusion and a list of used literature. The formal arrangement of the thesis respects the requirements set out in the Rector's Directive on the requirements for final theses.

The defense itself is led by the chairman of the commission, who first presents the CV of the doctoral student, announces the topic of the dissertation and asks the supervisor to provide essential information from the supervisor's opinion and mention the doctoral student's outputs.

Subsequently, the doctoral student will briefly present the content of his work, its concept, results and benefits. Opponents will immediately present the essential content of their assessments, and then the doctoral student will take a stand on the assessments, comment on objections, comments and questions. A public debate continues, which is open to all present. Emphasis is placed on the accuracy, justification, originality and seriousness of the knowledge contained in the dissertation.

The doctoral student will finally comment on all the suggestions and questions from the discussion.

Recommended or required literature: Literature is determined by the topic of the dissertation

Language of instruction: Slovak or other relevant language

Notes:

Course evaluation:

Assessed students in total: 0

A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0

Name of lecturer(s):

Last modification: 10.09.2025

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:

prof. PhDr. Ivo Čermák, CSc.

University: Catholic University in Ružomberok	
Faculty: Faculty of Arts and Letters	
Course code: CAP/Cj-P001S/22	Course title: Dissertation Examination
Type and range of planned learning activities and teaching methods: Form of instruction: Recommended study range: hours weekly: hours per semester: Teaching method: on-site	
Credits: 30	Working load: 750 hours
Recommended semester/trimester: 2., 3.,	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: The conditions are the submitted written work for the dissertation exam and the successful dissertation exam (consisting of the oral part and the defense of the written work for the dissertation exam) carried out before the commission. An opponent, who is an expert with at least a PhD, prepares a review on the written work for the dissertation exam - and s/he does not work at the doctoral student's workplace. The commission decides on the result of the dissertation examination in a closed session by a majority of votes of the members present. The overall result is evaluated with classification levels A to Fx (A - excellent, B - very good, C - good, D - satisfactory, E - sufficient, FX - insufficient). A doctoral student who has failed the examination may resit for the examination only once, at the latest by the end of the penultimate year of the standard length of doctoral study.	
Learning outcomes of the course: Knowledge K1 - the doctoral student has comprehensive knowledge and deeply understands the problems and discussions related to the topic of the dissertation. Skills S1 - the doctoral student demonstrates the ability to formulate and design their own scientific text in accordance with the strict principles of scientific integrity. Competencies C1 - the doctoral student is able to clearly and eruditely present the results of their work and lead a professionally based controversy about them. C2 - the doctoral student is prepared for independent scientific and creative activity in the field of research and development. Verification method / method: K1: the doctoral student answers questions within the oral part of the dissertation exam; S1, C2: the doctoral student proves this in his / her written work for the dissertation exam; C1, C2: the doctoral student presents his / her work during the defense and discusses with the opponent and the members of the commission	
Course contents: The subject is framed by the valid directive on doctoral studies. The dissertation examination consists of 1) an oral part and 2) the defense of a written work for the dissertation examination. 1) The subjects of the oral part of the exam are determined by the dean on the basis of the proposal of the philosophy doctoral study commission. In the oral part, the doctoral student answers	

<p>the questions formulated by the members of the examination commission.</p> <p>2) The topic of the defended written work for the dissertation exam is determined by the topic of the dissertation. The work contains an introduction to the issue, the current state of the issue and its analysis and a detailed project of another own solution to the topic (goals, methodology, etc.). The written work is processed by the doctoral student independently under the guidance of a supervisor. The opponent prepares a review of the work. During the dissertation examination, the doctoral student presents his / her work, responds to the questions and comments of the opponent and the members of the examination commission, and participates in an expert discussion on the topic of the dissertation.</p>					
<p>Recommended or required literature: Literature is determined by the topic of the dissertation</p>					
<p>Language of instruction: Slovak or some other relevant language</p>					
<p>Notes:</p>					
<p>Course evaluation: Assessed students in total: 0</p>					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
<p>Name of lecturer(s):</p>					
<p>Last modification: 11.09.2025</p>					
<p>Supervisor(s): Person responsible for the delivery, development and quality of the study programme: prof. PhDr. Ivo Čermák, CSc.</p>					

University: Catholic University in Ružomberok	
Faculty: Faculty of Arts and Letters	
Course code: KPSF/Pj-P002A/25	Course title: Doctoral Students' Seminar 1
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 1 hours per semester: 13 Teaching method: on-site	
Credits: 6	Working load: 150 hours
Recommended semester/trimester: 1.	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: Elaboration of theoretical starting points about the current state of solving the investigated issue (theoretical article/review study).	
Learning outcomes of the course: Knowledge: The doctoral student is able to describe and explain basic concepts, models and theories (past and present) that are relevant to the theoretical and methodological framework of empirical research. He is familiar with the current results of domestic and foreign psychological research. He actively masters the English language in order to participate in the work of the international scientific community. Skills: The doctoral student has the ability to orient himself in an interdisciplinary approach when studying the investigated problem. Competencies: The doctoral student can clearly and at the same time eruditely present the results of his work and conduct an expertly founded discussion about them. Method of verification – individual work of a doctoral student – preparation of a theoretical article/review study presenting the state of the solution to the investigated issue; discussion with the supervisor, feedback and evaluation from the supervisor.	
Course contents: Theoretical identification of the investigated issue, definition of the research problem. Methodological framework for problem solving. Research, review, study of relevant literature, its systematic selection and analysis. Collection of theoretical information and empirical facts about the researched area. Identification of information databases and descriptors. Working with databases, searching for relevant theoretical, review and research studies. The current state of theoretical knowledge/solutions to the investigated issue.	
Recommended or required literature: The literature is conditioned by the research topic of the dissertation.	
Language of instruction: Slovak and English language	
Notes:	
Course evaluation: Assessed students in total: 0	

A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
Name of lecturer(s):					
Last modification: 29.01.2026					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: prof. PhDr. Ivo Čermák, CSc.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok					
Faculty: Faculty of Arts and Letters					
Course code: KPSF/Pj-P003A/25		Course title: Doctoral Students' Seminar 2			
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 1 hours per semester: 13 Teaching method: on-site					
Credits: 6		Working load: 150 hours			
Recommended semester/trimester: 2.					
Level of study: III.					
Prerequisites:					
Requirements for passing the course: Preparation of a research project					
Learning outcomes of the course: Knowledge: The doctoral student is able to describe and explain basic concepts, models and theories (past and present) that are relevant to the theoretical and methodological framework of empirical research. Skills: The doctoral student can summarize and critically analyse and evaluate the current state of psychological research, formulate hypotheses and research questions. Competencies: The doctoral student can clearly and at the same time eruditely present the results of his work and conduct an expertly founded discussion about them. Method of verification – individual work of a doctoral student – preparation of a research project; discussion with the supervisor, feedback and evaluation from the supervisor.					
Course contents: The process of creating a research project. A research problem. Conceptual framework of the research problem, methodological point of view. Explicitly constructed research objectives. Formulation of research questions (on the basis of theoretical knowledge fund, fund from psychological research, knowledge fund of generalized practical experiences). The connection of research questions with the theoretical model of the research issue. Determination of research hypotheses. The connection of previous research and research hypotheses.					
Recommended or required literature: The literature is conditioned by the research topic of the dissertation.					
Language of instruction: Slovak and English language					
Notes:					
Course evaluation: Assessed students in total: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0

Name of lecturer(s):
Last modification: 29.01.2026
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: prof. PhDr. Ivo Čermák, CSc.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Arts and Letters	
Course code: KPSF/Pj-P004A/25	Course title: Doctoral Students' Seminar 3
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 1 hours per semester: 13 Teaching method: on-site	
Credits: 6	Working load: 150 hours
Recommended semester/trimester: 3.	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: Research project	
Learning outcomes of the course: Knowledge: The doctoral student has practically applicable knowledge about the psychological phenomena in question; demonstrates a systematic understanding of the methodology of basic and applied research in the area of focus of his dissertation. Skills: The doctoral student can summarize and critically analyse and evaluate the current state of psychological research. He has mastered ethical principles and principles of working in a scientific team. Competencies: The doctoral student conducts innovative, high-quality research utilising various methodological approaches and the latest knowledge. He independently creates his own scientific research project, which he can integrate into broader programs within the framework of scientific tasks. Method of verification - individual work of a doctoral student - research project; discussion with the supervisor, feedback and evaluation from the supervisor.	
Course contents: Research method. Methods of research implementation. Research procedures. Research plans. Selection of participants. Selection criteria, methodology for selecting participants. Choices of the type of selection procedure, its form. Target research sample, its time-space definition. Research sample size. Data collection methods. Methodologies and techniques of data gathering. Measurement and testing methods. Validity and reliability of data collection methods. Implementation of preliminary research. Creation of a research battery.	
Recommended or required literature: The literature is conditioned by the research topic of the dissertation.	
Language of instruction: Slovak and English language	
Notes:	

Course evaluation:					
Assessed students in total: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
Name of lecturer(s):					
Last modification: 29.01.2026					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: prof. PhDr. Ivo Čermák, CSc.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok					
Faculty: Faculty of Arts and Letters					
Course code: KPSF/Pj-P005A/25		Course title: Doctoral Students' Seminar 4			
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 1 hours per semester: 13 Teaching method: on-site					
Credits: 6		Working load: 150 hours			
Recommended semester/trimester: 4.					
Level of study: III.					
Prerequisites:					
Requirements for passing the course: Analysis and interpretation of research data					
Learning outcomes of the course: Knowledge: The doctoral student demonstrates a systematic understanding of the methodology of basic and applied research in the psychological field in question. Skills: A doctoral student can eruditely analyse empirical data and interpret research results. He has acquired ethical principles and principles of scientific work. Competencies: The doctoral student practically applies specific scientific methods of basic and applied research in the subject area of research; conducts research and statistical analyses independently. He publishes in professional journals and presents the results of research before the professional community at the national and international level. Method of verification – individual work of a doctoral student – analysis and interpretation of research data; discussion with the supervisor, feedback and evaluation from the supervisor.					
Course contents: Implementation phase of the research. Planned procedures and methods of data analysis. Collection and preparation of data for analysis. Primary data control. Formalization of initial information. Computer format of variables (nominal, ordinal, and scale). Analysis and interpretation of empirical data. Statistical description. Statistical inference. Measures of effect size. Statistical hypothesis testing.					
Recommended or required literature: The literature is conditioned by the research topic of the dissertation.					
Language of instruction: Slovak and English language					
Notes:					
Course evaluation: Assessed students in total: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0

Name of lecturer(s):
Last modification: 29.01.2026
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: prof. PhDr. Ivo Čermák, CSc.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok					
Faculty: Faculty of Arts and Letters					
Course code: KPSF/Pj-P006A/25		Course title: Doctoral Students' Seminar 5			
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 1 hours per semester: 13 Teaching method: on-site					
Credits: 6		Working load: 150 hours			
Recommended semester/trimester: 5.					
Level of study: III.					
Prerequisites:					
Requirements for passing the course: Research report					
Learning outcomes of the course: Knowledge: The doctoral student is familiar with the current results of psychological research at home and abroad. He actively masters the English language in order to participate in the work of the international scientific community. Skills: A doctoral student can eruditely interpret research results and popularize the latest knowledge gained by studying the field of work. He has acquired ethical principles and principles of scientific work. He is capable of self-reflection of his own expert activity. Competencies: The doctoral student is able to independently identify and assess the ethical and social aspects of research work, with the knowledge of strict principles of scientific integrity. The doctoral student publishes in professional journals and presents the results of research before the professional community at the national and international level. He is competent to implement the results of his own research into practical educational activities. Method of verification - individual work of a doctoral student - research report; discussion with the supervisor, feedback and evaluation from the supervisor.					
Course contents: Presentation of research results. Research report. Discussion - interpretation of the results, discussion of limits, consequences arising from the results - theoretical and practical implications, discussion of future intentions - implications for further research. Conclusion.					
Recommended or required literature: The literature is conditioned by the research topic of the dissertation.					
Language of instruction:					
Notes:					
Course evaluation: Assessed students in total: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0

Name of lecturer(s):
Last modification: 29.01.2026
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: prof. PhDr. Ivo Čermák, CSc.

University: Catholic University in Ružomberok	
Faculty: Faculty of Arts and Letters	
Course code: KPSF/Pj-P011B/25	Course title: English language for doctoral students
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 2 hours per semester: 26 Teaching method: on-site	
Credits: 4	Working load: 100 hours
Recommended semester/trimester: 1., 2., 3., 4., 5., 6..	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: In total, it is necessary to obtain at least 60 out of 100 points: a) students actively participate in seminars, during which they discuss the topics covered, b) students gradually prepare different assignments (email, motivation letter, CV, abstract) (40 points), c) students finally present the research topic according to the agreed structure (60 points).	
Learning outcomes of the course: Skills S3 - the student is able to present problems, solutions and arguments from the area of his / her expertise in an accessible and at the same time professionally interesting way. S4 - the student is able to function in international professional discourse and study and present the results of their research in the world language. Competencies C2 - s / he is able to independently identify and assess the ethical and social aspects of research work, with knowledge of the strict principles of scientific integrity. Verification method: S4: elaboration of continuous assignments (40 points); S3, K2: active discussions during seminars and final presentation of the research topic as agreed (60 points).	
Course contents: 1. Introduction and "small talk". 2. Email communication. 3. Motivational letter and curriculum vitae. 4. Conference, posing questions, discussion. 5. Abstract. 6. - 7. Professional text (structure, basic phrases, tips). 8. - 9. Professional presentations (demonstrations, classification, basic phrases, presentation). 10. - 13. Student presentations.	

Recommended or required literature:

English Communication Skills for Professionals in Research and Science. Institute for Foreign Language Studies, Slovak Academy of Sciences.

WALLWORK, A.: English for Academic Research: Grammar Exercises. New York: Springer 2016.

WALLWORK, A.: English for Academic Research: Grammar, Usage and Style. New York: Springer 2016.

WALLWORK, A.: English for Academic Research: Vocabulary Exercises. New York: Springer 2016.

WALLWORK, A.: English for Interacting on Campus. New York: Springer 2016.

WALLWORK, A.: English for Presentations at International Conferences. New York: Springer 2016.

WALLWORK, A.: English for Writing Research Papers. New York: Springer 2016.

Language of instruction:

English

Notes:**Course evaluation:**

Assessed students in total: 0

A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0

Name of lecturer(s): doc. Mgr. Eugen Zeleňák, PhD.

Last modification: 05.09.2025

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:
prof. PhDr. Ivo Čermák, CSc.

University: Catholic University in Ružomberok					
Faculty: Faculty of Arts and Letters					
Course code: KPSF/Pj-P010B/25		Course title: Participation in research			
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 2 hours per semester: 26 Teaching method: on-site					
Credits: 6		Working load: 150 hours			
Recommended semester/trimester: 1., 2., 3., 4., 5., 6..					
Level of study: III.					
Prerequisites:					
Requirements for passing the course: Participation in various activities related to the implementation of psychological research					
Learning outcomes of the course: Skills: The doctoral student will acquire skills with various research activities in individual stages of the research process. He is able to summarize and critically analyse and evaluate the current state of psychological research. He can solve practical problems in the implementation of psychological research. Competencies: The doctoral student is able to independently create concepts and carry out analyses. He conducts innovative, high-quality psychological research using various methodological approaches and the latest knowledge. Method of verification – elaboration of interim and partial tasks related to the implementation of psychological research					
Course contents: Research and study of relevant literature. Analysis of the current state. Theoretical identification of the investigated issue. Research questions, hypotheses. Research procedures. Selection of participants. Methods and techniques of data gathering. Preparation of the research battery. Collection of research data. Preparation of data for analysis. Data control. Analysis of research data and their interpretation. Preparation of a research report.					
Recommended or required literature: Study of relevant literature corresponding to the topic of the dissertation.					
Language of instruction: Slovak and English language					
Notes:					
Course evaluation: Assessed students in total: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
Name of lecturer(s):					
Last modification: 29.01.2026					

Supervisor(s):

Person responsible for the delivery, development and quality of the study programme:
prof. PhDr. Ivo Čermák, CSc.

University: Catholic University in Ružomberok					
Faculty: Faculty of Arts and Letters					
Course code: KPSF/Pj-P008B/25		Course title: Qualitative research			
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 1 / 1 hours per semester: 13 / 13 Teaching method: on-site					
Credits: 6		Working load: 150 hours			
Recommended semester/trimester: 1., 2., 3., 4..					
Level of study: III.					
Prerequisites:					
Requirements for passing the course: a) self-study of compulsory literature b) oral exam, discussion					
Learning outcomes of the course: Knowledge: The doctoral student will deepen his knowledge of the basics and methods of qualitative research and their application to a specific problem. He will consolidate the principles of qualitative research and the main approaches within qualitative methodology. Skills: The doctoral student will master the international publication standards of qualitative research in the field of psychology. Competencies: The doctoral student practically applies specific qualitative scientific methods in the relevant areas of psychology. He publishes in professional journals and presents the results of his own research. Method of verification – active discussions during the seminars and a final oral exam linked to the discussion					
Course contents: Review of basic principles of qualitative research. Epistemological foundations and conceptual framework of the project. Publication standards of qualitative research.					
Recommended or required literature: Crotty, M. (1998). The foundations of social research: meaning and perspective in the research process. Sage Publications. Maxwell, J. A. (2013). Qualitative research design: an interactive approach. Sage.					
Language of instruction: Slovak and English language					
Notes:					
Course evaluation: Assessed students in total: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0

Name of lecturer(s): prof. PhDr. Ivo Čermák, CSc.
Last modification: 29.01.2026
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: prof. PhDr. Ivo Čermák, CSc.

University: Catholic University in Ružomberok					
Faculty: Faculty of Arts and Letters					
Course code: KPSF/Pj-P007A/25		Course title: Research stay			
Type and range of planned learning activities and teaching methods: Form of instruction: Recommended study range: hours weekly: hours per semester: Teaching method: on-site					
Credits: 10		Working load: 250 hours			
Recommended semester/trimester: 1., 2., 3., 4., 5., 6..					
Level of study: III.					
Prerequisites:					
Requirements for passing the course: After agreement with the supervisor, the doctoral student completes a one-month study stay at a foreign university or research workplace. The condition for awarding credits is the provable benefit of the stay abroad for the aims and objectives of the dissertation and publication outputs from the stay.					
Learning outcomes of the course: Knowledge: The doctoral student independently and creatively uses foreign language scientific sources aimed on the given scientific field. He analyses and evaluates the current state of the given problem from the point of view of other approaches to the investigation of the given problem. He has practically applicable knowledge about the given socio-psychological phenomena. Skills: The doctoral student can summarize and critically analyse and evaluate the current state of psychological research in the subject area. Can synthesize and apply acquired theoretical knowledge in practical educational activities. Competencies: The doctoral student publishes in professional journals and presents the results of research and development before the professional community at the national and international level. Can competently participate in various activities in the implementation of psychological research. Method of verification – application of the knowledge gained during the research stay in accordance with the purpose and goal of the dissertation; publication output from the stay					
Course contents: According to the plan of the chosen foreign stay.					
Recommended or required literature: According to the chosen focus of the foreign stay.					
Language of instruction: English language					
Notes:					
Course evaluation: Assessed students in total: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0

Name of lecturer(s):
Last modification: 29.01.2026
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: prof. PhDr. Ivo Čermák, CSc.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Arts and Letters	
Course code: KPSF/Pj-P009B/25	Course title: Statistical methods in applied psychological research
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 1 / 1 hours per semester: 13 / 13 Teaching method: on-site	
Credits: 6	Working load: 150 hours
Recommended semester/trimester: 1., 2., 3., 4..	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: a) interim and partial tasks b) presentation of the entire calculation procedure on own data	
Learning outcomes of the course: Knowledge: The doctoral student renews, consolidates or acquires statistical knowledge, which is a prerequisite for independent research work and further education in data analysis. He can navigate a wide range of modern statistical models. The doctoral student demonstrates a systematic understanding of the methodology of basic and applied research in various psychological fields. Skills: The doctoral student will master practical procedures in the application of multivariate statistical methods and psychometric procedures. Competencies: The doctoral student is able to apply the acquired knowledge practically when processing the results of his own research project. He can independently create concepts and carry out analyses. It conducts innovative, high-quality psychological research using various methodological approaches and the latest knowledge. Method of verification – development of interim and partial tasks; implementation and demonstration of the entire procedure of a specific calculation on own data	
Course contents: Theoretical topics. Statistical reasoning. Understanding the relationship between statistics and psychological research methodology. Practical problems. Univariate analyses. Analyses with manifest variables. Analyses with latent variables. Modern psychometrics. Reproducibility of research - introduction to open science, pre-registration, sharing of data and analytical codes. Work with freely available statistical software. Practicing and consulting the use of more advanced statistical procedures on own data.	

Recommended or required literature: Baguley, T. (2012). Serious stats: a guide to advanced statistics for the behavioral sciences. Palgrave Macmillan. Cumming, G. (2012). Understanding the new statistics: effect sizes, confidence intervals, and meta-analysis. Routledge. Field, A. P. (2009). Discovering statistics using SPSS. Sage. Hair, J. F. (2010). Multivariate data analysis: a global perspective. Pearson. Kline, R. B. (2016). Principles and practice of structural equation modeling. The Guilford Press.					
Language of instruction: Slovak language and English language					
Notes:					
Course evaluation: Assessed students in total: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
Name of lecturer(s): Mgr. Róbert Ďurka, PhD.					
Last modification: 29.01.2026					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: prof. PhDr. Ivo Čermák, CSc.					

University: Catholic University in Ružomberok	
Faculty: Faculty of Arts and Letters	
Course code: KPSF/Pj-P001A/25	Course title: Theory and Methodology of Science
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 1 / 1 hours per semester: 13 / 13 Teaching method: on-site	
Credits: 6	Working load: 150 hours
Recommended semester/trimester: 1.	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: a) active participation in seminars and discussion b) oral exam, discussion	
Learning outcomes of the course: Knowledge: The doctoral student will become familiar with current perspectives on the methodology of social sciences. Can identify and describe current trends in the methodology of social sciences and humanities. Demonstrates a systematic understanding of the methodology of basic and applied research in various psychological fields. Skills: The doctoral student has mastered the ethical principles and principles of scientific work. Method of verification – active discussions during the seminars and a final oral exam linked to the discussion	
Course contents: 1. – 2. Science. Science, pseudoscience, protoscience, knowledge based on common sense. Methodology as science about science and philosophy of science. 3. – 4. Scientific method of investigation. Types of scientific research methods. 5. – 6. Structure of the scientific method. A problem. Hypothesis. 7. – 8. Scientific law. Functions of scientific law. 9. Scientific explanation. 10. Prediction. 11. Theory. Theory as a system. 12. – 13. Methodology of social sciences and humanities. Methodology of psychological sciences.	
Recommended or required literature: Bunge, M. (2005). Philosophy of Science: From Problem to Theory. Transaction Publishers. Bunge, M. (2005). Philosophy of Science: From Explanation to Justification. Transaction Publishers. Chalmers, A. F. (2007). What is this thing called Science. Open University Press. Rosenberg, A. (2000). Philosophy of Science: A contemporary introduction. Routledge.	
Language of instruction: Slovak and English language	
Notes:	
Course evaluation: Assessed students in total: 2	

A	B	C	D	E	FX
100.0	0.0	0.0	0.0	0.0	0.0
Name of lecturer(s): prof. PhDr. Ivo Čermák, CSc.					
Last modification: 29.01.2026					
Supervisor(s): Person responsible for the delivery, development and quality of the study programme: prof. PhDr. Ivo Čermák, CSc.					