

Course descriptions

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COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-412/22			Course title: Abstract of a contribution from a domestic or an international conference (originally AFG, AFK, AFH, AFL)				
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 4							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 1026							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-505/22				Course title: Bachelor's thesis reviewer			
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 3							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 414							
A	ABS	B	C	D	E	FX	NEABS
0,24	99,76	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-504/22				Course title: Bachelor's thesis supervisor			
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 8							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 131							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KRGRR/N-DZRG-018/22	Course title: Block of Experts
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Type, volume, methods and workload of the student - additional information Form of Study: study (combined form), lectures, seminars Number of contact hours: per week: 1 lecture / 1 seminar per level/semester: 26 Method of Study: interpretation, presentation, explanation, discussion	
Number of credits: 3	
Recommended semester: 3.	
Educational level: III.	
Prerequisites:	
Course requirements: Active participation in lectures of invited experts and seminars during the semester. Participation in discussions with experts on selected issues, asking questions and expressing their own professional opinions on the presented issues. Seminar work with the analysis of selected professional or scientific book publication on a specific geographical or social topic (according to the focus of the invited experts in the semester). Credits will be awarded to a student who complete the requirements arising from the course syllabus, otherwise credits for the course will NOT be awarded.	
Learning outcomes: The graduate of the course will obtain: -Analytical view of the selected issue based on direct contact with experts (directly from practice) on the selected issue and its comparison with the issues of PhD study -The use of knowledge and knowledge of the expert in his dissertation and later in practice -Incorporation of information about the authentic experience of an expert in a selected field (in practice) into the dissertation -The graduate of the course will be able to: -Apply information from an expert in your knowledge framework and dissertation -Critically receive and evaluate information from an expert and ask relevant questions on a covered topic -Engage in discussion and argumentation with an expert at the professional / scientific level and confront their research with the expert's outputs	
Class syllabus: The course will include a targeted selection of relevant experts in the field of geographical and social disciplines (sociologists, historians, economists, etc.), experts from practice working in state and non-governmental organizations, experts from practice in the private sector with an impact on	

important processes taking place in countries and companies. Experts / experts working at local, regional, national or transnational level. Areas and topics in which the interested experts work: -Security policy and military-political strategy of Slovakia -Food security and food aid within the Slovak Republic and abroad -Migration and its effects on the EU and Slovakia -Public health and its current challenges (diseases of civilization, epidemics) -Consumer behaviour in a globalized world vs. alternative approaches -Tourism and travel -Social policy, development cooperation, charitable and missionary activities -Education and its international dimensions, global education -Religious diversity and its effects on nation states -The influence of social media on society, their spatial impact, influenza -Climate crisis and environmental protection					
Recommended literature: Barret, Ch. B. (2013). Food Security & Sociopolitical Stability. Oxford (Oxford University Press). Eriksen, T. H. (2021). Doba horúca. Banská Bystrica (Literárna bašta). Hough, P., Moran, A., Pilbeam, B., Stokes, W. (2020). International Security Studies. Theory and Practice. London (Routledge). Meikle, G. (2016). Social Media. Communication, Sharing and Visibility. New York (Routledge). Page, S. J., Connell, J. (2020). Tourism. A Modern Synthesis. London (Routledge). Thurston, M. (2014). Key Themes in Public Health. London (Routledge).					
Languages necessary to complete the course: Slovak in combination with English (the study literature is in English)					
Notes:					
Past grade distribution Total number of evaluated students: 2 <table> <tr> <th>ABS</th><th>NEABS</th></tr> <tr> <td>100,0</td><td>0,0</td></tr> </table>		ABS	NEABS	100,0	0,0
ABS	NEABS				
100,0	0,0				
Lecturers: prof. RNDr. Ladislav Tolmáči, PhD.					
Last change: 17.09.2022					
Approved by: doc. RNDr. František Križan, PhD.					

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-414/22				Course title: Completing an long-term ERASMUS+ internship (minimum 60 days)			
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 20							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 44							
A	ABS	B	C	D	E	FX	NEABS
0,0	97,73	0,0	0,0	0,0	0,0	0,0	2,27
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-415/22				Course title: Completion of SAIA/NŠP internship program or other equivalent (minimum 30 days)			
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 20							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 57							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-416/22			Course title: Completion of a short-term foreign internship (15-30 days, and related to the topic of the PhD thesis)				
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 7							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 106							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KRGRR/N-DZRG-016/22	Course title: Data Science
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Type, volume, methods and workload of the student - additional information Form of Study: 180 hours; full-time and distance learning – interpretation, presentation, explanation, discussion Number of contact hours: 180 hours; per week: per level/semester: 180 Method of Study: interpretation, presentation, explanation, discussion	
Number of credits: 5	
Recommended semester: 1.	
Educational level: III.	
Prerequisites:	
Course requirements: During the semester students will develop an individual assignment (seminar work) focused on the application of selected methodological procedures to solve specific problems in big data processing. Basic as well as advanced tools of the R program will be applied. In order to complete the course, the seminar work must meet the following criteria: The seminar paper is well written in terms of coding (referential transparency). This is very important in functional programming. It contains suitably classified and excellently formally managed maps, graphs, diagrams, pictures. The used literature is complete and correctly presented. The required scope of the seminar work is within the specified tolerance. Theoretical approaches and concepts are well applied in the work, and they are also logically analyzed. Credits will be granted to a student who meets the basic requirements of the teacher resulting from the above, otherwise the credits for the subject will NOT be awarded.	
Learning outcomes: The growing availability of extremely large datasets requires scientists and analysts to use powerful tools to store, manage, and analyse these data. The aim of this course is to learn how to manage very large datasets and create simple shell scripts to analyse your data (using a version of a freely available statistics program R). Students will also learn how to present data and results in customized plots and figures. These skills are extremely valuable for scientists from all disciplines as well as for business practitioners (e.g. consultants or financial analysts) who are planning to work with big data. By the end of this course, the student should understand and feel comfortable with following topics: Produce meaningful descriptive statistics and informative graphs Become familiar with the R ecosystem	

Learn how to use R for the most common data tasks: loading, cleaning, transforming, summarizing, and visualizing data

Class syllabus:

The philosophy of Big data; the “R” environment.

Interface, tidyverse, ggplot, tryout of Rmarkdown, basics of R.

Data import and export and merging with tidy approach (readr, tibble and github). Data types and manipulations with them (numeric, string, factors and dates/times) Data cleaning, munging (dplyr): filtering and removing observations.

Data exploration (summary, ggplot): creating summary statistics, graphs and simple hypothesis testing. Getting know Rmarkdown: creating pdf/html/beamer. Creating tidy tables and graphs. Automatize reports with Rmarkdown.

Loops and conditionals: Writing conditional statements and loops. Writing a simple bootstrapping routine.

Functions, error handling and random numbers: writing your own descriptive statistics function.

Cross-section analysis (lm, feols): running and understanding the output of a linear model in R.

Variable transformations: log, interactions, splines

Advanced methods in modelling: predictions, confidence intervals, hypothesis testing. § Non-linear binary models: probit, logit models and their descriptives, margins

Manipulating dates/times variables. Time series models: running and understanding the output. Model diagnostics.

Reporting models in Rmarkdown and basic spatial data and its visualization. Recap.

Recommended literature:

Brunsdon, C., Comber, L. (2014). An introduction to R for spatial analysis and mapping. London (SAGE).

Fischetti, T. (2018). Data Analysis with R. Birmingham (Packt Publishing).

Fogarty, B. J. (2019). Quantitative Social Science Data With R. London (SAGE).

Fotheringham, S., Rogerson, P. (2013). Spatial Analysis And GIS. London (CRC Press).

Hadley W., Garrett G. (2017). R for Data Science. Online version

Knaflic, C. N. (2015). Storytelling with Data: A Data Visualization Guide for Business Professionals. Hoboken (John Wiley & Sons).

Moulik, T. (2018). Applied Data Visualization with R and ggplot2. Birmingham (Packt Publishing).

Stephens-Davidowitz, S. (2018). Everybody lies: What the internet can tell us about who we really are. London (Bloomsbury Publishing).

Wickham, H., Grolemund, G. (2016). R for Data Science: Import, Tidy, Transform, Visualize, and Model Data. Sebastopol (O'Reilly).

Languages necessary to complete the course:

Slovak in combination with English (the study literature is in English).

Notes:**Past grade distribution**

Total number of evaluated students: 4

ABS	NEABS
100,0	0,0

Lecturers: doc. RNDr. František Križan, PhD., doc. Mgr. Martin Šveda, PhD.

Last change: 17.09.2022

Approved by: doc. RNDr. František Křížan, PhD.

STATE EXAM DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KRGRR/N-DSSZ-303/22	Course title: Defence of dissertation thesis
Number of credits: 30	
Educational level: III.	
Course requirements: Conditions for passing the course: Course evaluation takes place as a part of the State examination in accordance to the Study regulations of the Faculty of Natural Sciences UK in Bratislava upon submission of the written part of the dissertation thesis (as final work). Assessment is standard and reflects the student's sufficient orientation in the issue. The conditions for successful course completion are in accordance with the Study Regulations of the Faculty of Natural Sciences UK.	
Learning outcomes: Educational outcomes: The aim of the course is to capitalise on theoretical, methodological and applied knowledge of doctoral studies in the elaboration and subsequent defence of the dissertation thesis, and thus the successful completion of doctoral studies.	
Class syllabus: Brief outline of the course: The student's dissertation thesis will demonstrate his/her ability and readiness for independent scientific and creative activities in the area of research or development or for independent theoretical and creative artistic creativity. It should be characterised by a high degree of analysis and synthesis of knowledge, as well as a sufficient overview of existing literature. The work must be original and created by the author in compliance with the rules of working with information sources. The academic work must not appear to be plagiarised, nor infringe the copyrights of other authors. The author is required to thoroughly cite the information sources used, list the specific results of other authors or team of authors by citing the source, accurately describe the methods and working procedures of other authors or teams of authors, and document the laboratory results and field research of other authors or teams of authors. Style of citation is governed by the practice in the given scientific field, respecting the relevant norms and standards.	
State exam syllabus:	
Recommended literature: Odporúčaná literatúra: Bez špecifikácie vzhľadom na charakter konkrétnej témy dizertačnej práce. Odporúčaná literatúra je súčasťou individuálneho študijného plánu doktoranda.	
Languages necessary to complete the course: Required language for successful course completion: Slovak language in combination with English (study literature in English)	
Last change: 24.10.2022	
Approved by: doc. RNDr. František Križan, PhD.	

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KRGRR/N-DZRG-011/22	Course title: Development of Geographical Thought
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Type, volume, methods and workload of the student - additional information Form of Study: 210 hours; full-time and distance study - interpretation, presentation, explanation, colloquium, discussion Number of contact hours: 24 hours (of which 2 hours of introductory seminar, 24 hours of lecture and 2 hours of final colloquium) Independent preparation of seminar work and presentation: 60 hours Self-study and preparation for the colloquium: 126 hours per week: per level/semester: 210 Method of Study: interpretation, presentation, explanation, discussion	
Number of credits: 5	
Recommended semester: 1.	
Educational level: III.	
Prerequisites:	
Course requirements: During the semester, the student will elaborate an individual assignment (seminar work) focused on students' independent work and the ability to apply selected concepts of geographical thought in order to solve specific problems in geographical research. To be awarded the Pass evaluation, the work should meet the following criteria: Formal aspects: The seminar paper is well written in terms of content and style. It contains suitably classified and excellently formally processed appendices. The used literature is complete and correctly presented, the author correctly refers to all literature sources. The required scope of the seminar work is within the specified tolerance intervals. Content aspect: The seminar paper has correctly stated goals that are met. The structure of the work is logical and original. Theoretical approaches and concepts are appropriately applied in the work, while they are also logically analysed. In the conclusions, logically based own original opinions are presented. The student will be prepared for the final colloquium, where he/she will present the main results of the seminar work and will also participate in a discussion in which he/she will demonstrate well-oriented knowledge in the development of geographical thought. Credits will be given to a student who meets the basic requirements defined by the teacher, otherwise the credits for the subject will NOT be awarded.	
Learning outcomes: Knowledge:	

he/she has a deep comprehensive knowledge of ontological, epistemological and methodological aspects of the identity of geography as a scientific discipline;
 he/she has a comprehensive knowledge of the paradigmatic development of geographical thought and the key representatives of individual streams of geographical thought and the interrelationships of individual streams of geographical thought in the world and in Slovakia;
 Skills (he/she is able to):
 work independently with professional Slovak, Czech and English texts and to process, find, integrate and evaluate geographical information from literature and other sources;
 theoretically frame the studied issues in the context of paradigms of geographical thought;
 assess the suitability of the application of a certain research optics in relation to the studied problem;
 Competences:
 present and interpret in their own way and critically evaluate the results of the literature reviews;
 participate, coordinate and evaluate the professional discussion to the presented results.

Class syllabus:

Development of science and approaches to the classification of streams of geographical thought.
 Ontological, epistemological and methodological characteristics of the identity of geography.
 Geographical thought in the early periods (Ancient, Medieval).
 Science in the Renaissance and the Enlightenment geographies.
 The emergence of modern geography and its academic institutionalization.
 Reflections on evolutionary theories and Social Darwinism in geography.
 Regional approaches and chorological concept in geography.
 Spatial analysis in geography.
 Humanistic geography.
 Critical (Marxist and neo-Marxist) geography.
 Feminist geography.
 Postmodern and poststructuralist geography.
 Relational geography (the actor-network theory and non-representational theory).
 The future of development of paradigms in geography.

Recommended literature:

Buttimer, A. (1993). *Geography and the Human Spirit*. Baltimore (John Hopkins University Press).
 Castree, N., Rogers, A., Sherman, D. (2005). *Questioning Geography*. Oxford (Blackwell).
 Cresswell, T. (2013). *Geographic Thought: A Critical Introduction*. Chichester (Wiley-Blackwell).
 Daněk, P. (2013). *Geografické myšlení: úvod do teoretických přístupů*. Brno (Masarykova univerzita).
 Glacken, C. J. (1976). *Traces on the Rhodian Shore*. Los Angeles (University of California Press).
 Holloway, S. L., Rice, S., Valentine, G. (Eds.) (2005). *Key Concepts in Geography*. London (SAGE).
 Holt-Jensen, A. (2018). *Geography. History & Concepts*. London (SAGE).
 Ira, V. Matlovič, R. (2020). Challenges and opportunities for human geography: a few remarks. *Geographia Polonica*, 93(4), 525-538.
 Johnston, R. J., Sidaway, J. D. (2016). *Geography & Geographers. Anglo-American Human Geography since 1945*. London (Routledge).
 Khun, T. (1997). *Struktura vědeckých revolucí*. Praha (Oikonmenh).
 Korec, P., Rusnák, J. (2018). *Prístupy humánnej geografie – filozofia, teória a kontext*. Bratislava (Univerzita Komenského).

Livingstone, D. (1992). The Geographical Tradition. London (Wiley-Blackwell Publishing).
 Matlovič, R. (2006). Geografia-hľadanie tmelu. Folia Geographica, 9, 6-43.
 Matlovič, R., Matlovičová, K. (2015). Geografické myslenie. Prešov (FHPV PU).
 Matlovič, R., Matlovičová, K. (2020). First and second order discontinuities in world geographical thought and their primary reception in Slovak geography. Folia Geographica, 62(1), 52-76.
 Nayak, A., jeffrey, A. (2011). Geographical Thought – an introduction to ideas in human geography. London (Pearson, Prentice Hall).
 Paulov, J. (2012). Základné paradigmy v rozvoji geografie ako vedy: pokus o stručnú identifikáciu. Geografický časopis, 64(2), 111-120.
 Peet, R. (1998). Modern Geographical Thought. New York (Wiley).

Languages necessary to complete the course:

Slovak in combination with English (the study literature is in English).

Notes:

Past grade distribution

Total number of evaluated students: 2

ABS	NEABS
100,0	0,0

Lecturers:

Last change: 17.09.2022

Approved by: doc. RNDr. František Križan, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KRGRR/PriF-DSSZ-001/22	Course title: Dissertation 1
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 1.	
Educational level: III.	
Prerequisites:	
Course requirements: Conditions for passing the course: Course evaluation will be conducted individually based on the doctoral student's individual study plan, as well as on the basis of an agreement between the academic supervisor and doctoral student. Evaluation is standard and shall reflect a sufficient orientation of the student in the presented subject matter for successful course completion according to the Study Regulations of the Faculty of Natural Sciences UK.	
Learning outcomes: Educational outcomes: By passing this subject, the student will achieve sufficient orientation in the project issue of the dissertation thesis based on specific individual topics. This set task of knowledge is essential for a firmly established theoretical readiness of the course graduate in terms of his/her awareness, and equally supports his/her potential in a wide field of applied practice. Undoubtedly, the outcomes of his/her education will also be reflected in the student's overview in terms of methodological approaches in the subject matter.	
Class syllabus: Brief outline of the course: The subject Dissertation Thesis is a compulsory part of the doctoral student's study activities. The student requires a supremely individual character with regard to the specifics of the individual topics of the dissertation thesis. The basic syllabus should already be evident within the individual study plan of the doctoral student. The subject is important especially in terms of understanding the basic theoretical and methodological aspects of the solution to the topic of the dissertation thesis with emphasis on self-study and consultation with the academic supervisor and a wide spectrum of consultants, who will take part in creating the professional potential of the doctoral student for the next (scientific) stage of his/her studies.	
Recommended literature: Recommended literature:	

No specifications regarding the character of a specific topic for the dissertation thesis. Recommended literature is included in the doctoral student's individual study plan.	
Languages necessary to complete the course: Required language for successful course completion: Slovak language in combination with English (study literature in English)	
Notes:	
Past grade distribution Total number of evaluated students: 6	
ABS	NEABS
83,33	16,67
Lecturers:	
Last change: 12.10.2022	
Approved by: doc. RNDr. František Križan, PhD.	

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KRGRR/PriF-DSSZ-002/22	Course title: Dissertation 2
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 2.	
Educational level: III.	
Prerequisites:	
Course requirements: Conditions for passing the course: Course evaluation will be conducted individually based on the doctoral student's individual study plan, as well as on the basis of an agreement between the academic supervisor and doctoral student. Evaluation is standard and shall reflect a sufficient orientation of the student in the presented subject matter for successful course completion according to the Study Regulations of the Faculty of Natural Sciences UK.	
Learning outcomes: Educational outcomes: By passing this subject, the student will achieve sufficient orientation in the project issue of the dissertation thesis based on specific individual topics. This set task of knowledge is essential for a firmly established theoretical readiness of the course graduate in terms of his/her awareness, and equally supports his/her potential in a wide field of applied practice. Undoubtedly, the outcomes of his/her education will also be reflected in the student's overview in terms of methodological approaches in the subject matter.	
Class syllabus: Brief outline of the course: The subject Dissertation Thesis is a compulsory part of the doctoral student's study activities. The student requires a supremely individual character with regard to the specifics of the individual topics of the dissertation thesis. The basic syllabus should already be evident within the individual study plan of the doctoral student. The subject is important especially in terms of understanding the basic theoretical and methodological aspects of the solution to the topic of the dissertation thesis with emphasis on self-study and consultation with the academic supervisor and a wide spectrum of consultants, who will take part in creating the professional potential of the doctoral student for the next (scientific) stage of his/her studies.	
Recommended literature: Recommended literature:	

No specifications regarding the character of a specific topic for the dissertation thesis. Recommended literature is included in the doctoral student's individual study plan.	
Languages necessary to complete the course: Required language for successful course completion: Slovak language in combination with English (study literature in English)	
Notes:	
Past grade distribution Total number of evaluated students: 4	
ABS	NEABS
100,0	0,0
Lecturers:	
Last change: 13.10.2022	
Approved by: doc. RNDr. František Križan, PhD.	

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KRGRR/PriF-DSSZ-003/22	Course title: Dissertation 3
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 3.	
Educational level: III.	
Prerequisites:	
Course requirements: Conditions for passing the course: Course evaluation will be conducted individually based on the doctoral student's individual study plan, as well as on the basis of an agreement between the academic supervisor and doctoral student. Evaluation is standard and shall reflect a sufficient orientation of the student in the presented subject matter for successful course completion according to the Study Regulations of the Faculty of Natural Sciences UK.	
Learning outcomes: Educational outcomes: By passing this subject, the student will achieve sufficient orientation in the project issue of the dissertation thesis based on specific individual topics. This set task of knowledge is essential for a firmly established theoretical readiness of the course graduate in terms of his/her awareness, and equally supports his/her potential in a wide field of applied practice. Undoubtedly, the outcomes of his/her education will also be reflected in the student's overview in terms of methodological approaches in the subject matter.	
Class syllabus: Brief outline of the course: The subject Dissertation Thesis is a compulsory part of the doctoral student's study activities. The student requires a supremely individual character with regard to the specifics of the individual topics of the dissertation thesis. The basic syllabus should already be evident within the individual study plan of the doctoral student. The subject is important especially in terms of understanding the basic theoretical and methodological aspects of the solution to the topic of the dissertation thesis with emphasis on self-study and consultation with the academic supervisor and a wide spectrum of consultants, who will take part in creating the professional potential of the doctoral student for the next (scientific) stage of his/her studies.	
Recommended literature: Recommended literature:	

No specifications regarding the character of a specific topic for the dissertation thesis. Recommended literature is included in the doctoral student's individual study plan.	
Languages necessary to complete the course: Required language for successful course completion: Slovak language in combination with English (study literature in English)	
Notes:	
Past grade distribution Total number of evaluated students: 4	
ABS	NEABS
100,0	0,0
Lecturers:	
Last change: 18.10.2022	
Approved by: doc. RNDr. František Križan, PhD.	

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KRGRR/PriF-DSSZ-004/22	Course title: Dissertation 4
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 4.	
Educational level: III.	
Prerequisites:	
Course requirements: Conditions for passing the course: Course evaluation will be conducted individually based on the doctoral student's individual study plan, as well as on the basis of an agreement between the academic supervisor and doctoral student. Evaluation is standard and shall reflect a sufficient orientation of the student in the presented subject matter for successful course completion according to the Study Regulations of the Faculty of Natural Sciences UK.	
Learning outcomes: Educational outcomes: By passing this subject, the student will achieve sufficient orientation in the project issue of the dissertation thesis based on specific individual topics. This set task of knowledge is essential for a firmly established theoretical readiness of the course graduate in terms of his/her awareness, and equally supports his/her potential in a wide field of applied practice. Undoubtedly, the outcomes of his/her education will also be reflected in the student's overview in terms of methodological approaches in the subject matter.	
Class syllabus: Brief outline of the course: The subject Dissertation Thesis is a compulsory part of the doctoral student's study activities. The student requires a supremely individual character with regard to the specifics of the individual topics of the dissertation thesis. The basic syllabus should already be evident within the individual study plan of the doctoral student. The subject is important especially in terms of understanding the basic theoretical and methodological aspects of the solution to the topic of the dissertation thesis with emphasis on self-study and consultation with the academic supervisor and a wide spectrum of consultants, who will take part in creating the professional potential of the doctoral student for the next (scientific) stage of his/her studies.	
Recommended literature: Recommended literature:	

No specifications regarding the character of a specific topic for the dissertation thesis. Recommended literature is included in the doctoral student's individual study plan.	
Languages necessary to complete the course: Required language for successful course completion: Slovak language in combination with English (study literature in English)	
Notes:	
Past grade distribution Total number of evaluated students: 2	
ABS	NEABS
100,0	0,0
Lecturers:	
Last change: 10.10.2022	
Approved by: doc. RNDr. František Križan, PhD.	

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KRGRR/PriF-DSSZ-005/22	Course title: Dissertation 5
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 5.	
Educational level: III.	
Prerequisites:	
Course requirements: Conditions for passing the course: Course evaluation will be conducted individually based on the doctoral student's individual study plan, as well as on the basis of an agreement between the academic supervisor and doctoral student. Evaluation is standard and shall reflect a sufficient orientation of the student in the presented subject matter for successful course completion according to the Study Regulations of the Faculty of Natural Sciences UK.	
Learning outcomes: Educational outcomes: By passing this subject, the student will achieve sufficient orientation in the project issue of the dissertation thesis based on specific individual topics. This set task of knowledge is essential for a firmly established theoretical readiness of the course graduate in terms of his/her awareness, and equally supports his/her potential in a wide field of applied practice. Undoubtedly, the outcomes of his/her education will also be reflected in the student's overview in terms of methodological approaches in the subject matter.	
Class syllabus: Brief outline of the course: The subject Dissertation Thesis is a compulsory part of the doctoral student's study activities. The student requires a supremely individual character with regard to the specifics of the individual topics of the dissertation thesis. The basic syllabus should already be evident within the individual study plan of the doctoral student. The subject is important especially in terms of understanding the basic theoretical and methodological aspects of the solution to the topic of the dissertation thesis with emphasis on self-study and consultation with the academic supervisor and a wide spectrum of consultants, who will take part in creating the professional potential of the doctoral student for the next (scientific) stage of his/her studies.	
Recommended literature: Recommended literature:	

No specifications regarding the character of a specific topic for the dissertation thesis. Recommended literature is included in the doctoral student's individual study plan.	
Languages necessary to complete the course: Required language for successful course completion: Slovak language in combination with English (study literature in English)	
Notes:	
Past grade distribution Total number of evaluated students: 1	
ABS	NEABS
100,0	0,0
Lecturers:	
Last change: 10.10.2022	
Approved by: doc. RNDr. František Križan, PhD.	

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KRGRR/PriF-DSSZ-006/22	Course title: Dissertation 6
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 6.	
Educational level: III.	
Prerequisites:	
Course requirements:	
Learning outcomes:	
Class syllabus:	
Recommended literature:	
Languages necessary to complete the course:	
Notes:	
Past grade distribution Total number of evaluated students: 1	
ABS	NEABS
100,0	0,0
Lecturers:	
Last change:	
Approved by: doc. RNDr. František Križan, PhD.	

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KRGRR/PriF-DSSZ-007/22	Course title: Dissertation 7
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 7.	
Educational level: III.	
Prerequisites:	
Course requirements:	
Learning outcomes:	
Class syllabus:	
Recommended literature:	
Languages necessary to complete the course:	
Notes:	
Past grade distribution Total number of evaluated students: 2	
ABS	NEABS
100,0	0,0
Lecturers:	
Last change:	
Approved by: doc. RNDr. František Križan, PhD.	

STATE EXAM DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KRGRR/N-DZRG-400/22	Course title: Dissertation exam
Number of credits: 15	
Educational level: III.	
Course requirements: Conditions for passing the course: Course evaluation takes place as a part of the State examination in accordance to the Study regulations of the Faculty of Natural Sciences UK in Bratislava, as well as submission of the written part of the dissertation thesis within the set deadline. The subjects of the state examination include a discussion about the written work of the dissertation examination (prepared by the doctoral student), as well as other subjects of the oral examination (ad hoc) approved by the Dean. Assessment is standard and reflects the student's sufficient orientation in the issue. The conditions for successful course completion are in accordance with the Study Regulations of the Faculty of Natural Sciences UK.	
Learning outcomes: Educational outcomes: The objective of the course is to gain basic habits and cultural-ethical aspects of working with scientific literature, evaluation, and systemization of the studied knowledge. The doctoral student needs to successfully pass the dissertation examination according to the act on Universities and Study Regulations of the Faculty of Natural Sciences of Comenius University in Bratislava.	
Class syllabus: Brief outline of the course: Based on the description of the starting points, principles, and conclusions from the published results of the studied issues, the aim is to teach the doctoral student how to process critical research. A further objective is to understand the principles of scientific work and its legal, physical, and social attributes. The main output is the elaboration of the written work for the dissertation examination and its successful completion in accordance with the Study Regulations of the Faculty of Natural Sciences UK. The form and content of the work is regulated by article 34, paragraph 4 of the Study Regulations of the Faculty of Natural Sciences UK. The dissertation examination consists of a part consisting of a discussion of the written work for the dissertation examination, as well as a part in which the doctoral student needs to demonstrate theoretical knowledge according to the focus of the dissertation topic. The composition of the Examination Committee, the determination of the Opponent (expert examiner) and the general course of the dissertation examination are governed by the current Study Regulations of the Faculty of Natural Sciences UK.	
State exam syllabus:	
Recommended literature: Recommended literature: No specifications regarding the character of a specific topic for the dissertation thesis. Recommended literature is included in the doctoral student's individual study plan.	

Languages necessary to complete the course:

Required language for successful course completion:

Slovak language in combination with English (study literature in English)

Last change: 18.10.2022**Approved by:** doc. RNDr. František Křížan, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KRGRR/N-DZRG-017/22	Course title: Geography of Regions of the Slovakia
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Type, volume, methods and workload of the student - additional information Form of Study: 180 hours; full-time and distance learning – interpretation, presentation, explanation, discussion Number of contact hours: 180 hours; per week: per level/semester: 180 Method of Study: interpretation, presentation, explanation, discussion	
Number of credits: 5	
Recommended semester: 3.	
Educational level: III.	
Prerequisites:	
Course requirements: Credits will be awarded to a student who complete the requirements arising from the course syllabus, otherwise credits for the course will NOT be awarded.	
Learning outcomes: Graduates will be able to not only understand and characterize the individual physical-geographical and human-geographical components of regions, but also to penetrate deeper into their structure, complex links and relationships within and between regions. They will be able to use the acquired knowledge in their own research of the regions in Slovakia, research of their spatial differentiation, their development and transformation.	
Class syllabus: -Concepts of region delimitation on the example in the Slovak Republic -Structure and spatial differentiation of Slovakia as a system -Regions as physical-geographical subsystems -Regions as administrative-administrative subsystems -NUTS regions as planning territorial statistical subsystems -Functional urban regions as subsystems of daily attendance -Special regions as subsystems defined for specific research -Research of the internal structure of the regions -Research of regions within the whole and intra-regional relations -Development, dynamics and transformation of regions	
Recommended literature: Bezák, A. (2000). Funkčné mestské regióny na Slovensku. Bratislava (Geografický ústav SAV).	

- Bezák, A. (2001). O regionálnych trhoch práce, nových krajoch a tokoch nezamestnaných. *Geografický časopis*, 53(4), 295-305.
- Gurňák, D. (ed.). (2020). 30 rokov transformácie Slovenska. Bratislava (Univerzita Komenského).
- Gurňák, D., Lauko, V. (2008). Luknišovo regionálne členenie Slovenska a stabilita územno-správneho členenia Slovenska v 20. storočí. *Acta Geographica Universitatis Comenianae*, 50, 145-154.
- Halás, M. (2008). Priestorová polarizácia spoločnosti s detailným pohľadom na periférne regióny Slovenska. *Sociologický časopis*, 44(2), 349-369.
- Halás, M., Klapka, P. (2020). Heterogenita a kontinuita geografického priestoru: príklad funkčných regiónov Slovenska. *Geografie*, 125(3), 319-342.
- Halás, M., Klapka, P., Bleha, B., Bednář, M. (2014). Funkčné regióny na Slovensku podľa denných tokov do zamestnania. *Geografický časopis*, 66(2), 89-114.
- Korec, P. (2005). Regionálny rozvoj Slovenska v rokoch 1989-2004: Identifikácia menej rozvinutých regiónov Slovenska. Bratislava (Geo-grafika).
- Korec, P., Ondoš, S., Rusnák, J. (2016). Regionálne disparity na Slovensku; niekoľko poznámok k ich bádaniu. *Acta Geographica Universitatis Comenianae*, 60(2), 257-293.
- Korec, P., Polonyová, E. (2011). Zaostávajúce regióny Slovenska-pokus o identifikáciu a poukázanie na príčiny. *Acta Geographica Universitatis Comenianae*, 55(2), 165-190.
- Križan, F., Šveda, M. (2011). Regionálne disparity v bytovej výstavbe na území Slovenska v rokoch 1997-2009. *Acta Geographica Universitatis Comenianae*, 55(2), 243-264.
- Michálek, A. (2004). Meranie chudoby územných celkov (regiónov) na príklade okresov SR. *Sociológia*, 36(1), 7-30.
- Michálek, A., Podolák, P., Sládekova Madajová, S. (2018). Dynamics of regional disparities in Slovakia in 2001 and 2011. *Bulletin of Geography. Socio-economic Series*, (42), 99-114.
- Michálek, A., Výbošťok, J. (2018). Economic Growth, Inequalities and Poverty in Slovakia from 2005 to 2015 (the Analysis of Relations and Contexts at a Regional Level). *European Spatial Research and Policy*, 25(1), 55-74.
- Rajčáková, E., Švecová, A. (2009). Regionálne disparity na Slovensku. *Geographia Cassoviensis*, 3(2), 142-149.

Languages necessary to complete the course:

Slovak in combination with English (the study literature is in English).

Notes:

Past grade distribution

Total number of evaluated students: 3

ABS	NEABS
100,0	0,0

Lecturers: doc. RNDr. František Križan, PhD.

Last change: 17.09.2022

Approved by: doc. RNDr. František Križan, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KRGRR/N-DZRG-012/22	Course title: Geography of the Regions of the World
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Type, volume, methods and workload of the student - additional information Form of Study: 180 hours; full-time and distance learning – interpretation, presentation, explanation, discussion Number of contact hours: 180 hours; per week: per level/semester: 180 Method of Study: interpretation, presentation, explanation, discussion	
Number of credits: 5	
Recommended semester: 2.	
Educational level: III.	
Prerequisites:	
Course requirements: Credits will be awarded to a student who complete the requirements arising from the course syllabus, otherwise credits for the course will NOT be awarded.	
Learning outcomes: The graduate of the course will expand the overview of fundamental problems and relationships of the contemporary world with a focus on their causes, consequences, or solutions. The aim is to analyse new possibilities of regional-geographical research in the current changing world in the context of current geopolitical, economic or social changes.	
Class syllabus: Global trends in the world economy and its spatial changes - application in selected regions of the world Globalization and analysis of its manifestations in selected regions of the world Ethnic and religious conflicts and tensions and their consequences for the formation of regional disparities Natural resources as a (old) new phenomenon of geopolitics The influence of political structures on regional disparities in selected regions of the world Current changes on the political map of the contemporary world and their consequences as a subject of geographical study Risk regions of the world in terms of selected problems.	
Recommended literature: Anděl, J., Bičík, I., Bláha, J. D. (2019). Makroregiony světa - nová regionální geografie. Praha (Karolinum).	

Baar, V. (2002). Národy na prahu 21. století – Emancipace, nebo nacionalismus? Ostrava (Ostravská univerzita, Tilia). Hodač, J., Strejček, P. (2008). Politika Ruské federace v postsovětském prostoru a střední Evropě. Brno (Masarykova Univerzita). Gurňák, D., Danielová, K., Kasala, K., Tolmáči, L., Blažík, T. (2014). Geografia Ázie. Bratislava (Univerzita Komenského). Gurňák, D., Tolmáči, L. a kol. (2021). Geografia Afriky. Bratislava (Univerzita Komenského). Hobbs, J. J. (2021). World regional geography. Belmont (Cengage Learning).. Martinovský, P., Šmíd, T. a kol. (2013). Přírodní zdroje a ozbrojené konflikty – aktuální trendy. Brno (Masarykova Univerzita). Nijman, J., Muller, P. O., De Blij, H. (2016). Geography. Realms, regions and concepts. New York (John Wiley & Sons). Rowntree, L., Lewis, M., Price, M., Wyckoff, W. (2015). Diversity Amid Globalization. World Regions, Environment, Development. London (Pearson Education). Šmíd, T. (2010). Vybrané konflikty o zdroje a suroviny. Brno (Masarykova Univerzita). Tesař, F. (2007). Etnické konflikty. Praha (Portál). Tomeš, J., Festa, D., Novotný, J. a kol. (2007). Konflikt světů a svět konfliktů. Praha (P3K). Eurostat Statistical Yearbook 2010-2020 National Geographic World Almanach GEO Geographical Review Key figures on Europe. Statistical Pocketbook					
Languages necessary to complete the course: Slovak in combination with English (the study literature is in English).					
Notes:					
Past grade distribution Total number of evaluated students: 4 <table> <tr> <th>ABS</th><th>NEABS</th></tr> <tr> <td>100,0</td><td>0,0</td></tr> </table>		ABS	NEABS	100,0	0,0
ABS	NEABS				
100,0	0,0				
Lecturers: doc. RNDr. Daniel Gurňák, PhD., prof. RNDr. Ladislav Tolmáči, PhD.					
Last change: 17.09.2022					
Approved by: doc. RNDr. František Křížan, PhD.					

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-400/22				Course title: Grant CU or Grant SAS or equivalent grant			
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 12							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 261							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-413/22				Course title: Intellectual Property Rights Document (originally AGJ)			
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 10							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 1							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-508/22				Course title: Other activities			
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 1							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 753							
A	ABS	B	C	D	E	FX	NEABS
0,13	99,87	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-501/22				Course title: P1 Pedagogical output as a whole (originally ACA, ACB, BCI, BCB)			
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 20							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 10							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-503/22				Course title: P2 Pedagogical output as a part (originally BCK)			
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 10							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 0							
A	ABS	B	C	D	E	FX	NEABS
0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-502/22				Course title: P2 Pedagogical output as part (originally ACC, ACD)			
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 15							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 0							
A	ABS	B	C	D	E	FX	NEABS
0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-507/22				Course title: Pedagogical activity (4 hours/WS and 4 hours/SS) or alternative pedagogical work			
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 2							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 847							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KJ/N-DSSZ-026/22	Course title: Professional English 1
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 1.	
Educational level: III.	
Prerequisites:	
Course requirements: Each course participant is required to achieve proficient knowledge and usage of the English grammar, professional vocabulary, reading and listening comprehension, writing professional texts and oral presentations. Credits will be awarded to students who will demonstrate active participation and deliver all set tasks and assignments successfully. The course participants will be awarded a pass or a fail upon course completion.	
Learning outcomes: Upon completion of the course, PhD students will effectively use the English language for professional purposes. They will proficiently comprehend targeted written and audio texts and present their viewpoints in required forms.	
Class syllabus: Theoretical and practical skills in professional written communication include appropriate structure of formal written texts (emails, application forms, personal statements, cover letters, abstracts, scientific articles, paraphrasing, using citations, citing sources, etc.) The course also focuses on theoretical explanation of correct delivery of oral texts, professional presentations and discussions. The course primary target is to facilitate PhD students with proficient usage of all the aspects of written and oral communication in various settings.	
Recommended literature: Armer, T.: Cambridge English for Scientists CD ROM Writing Professional English Team of authors: Test your Listening Skills: A Handbook for Science Doctoral students Team of authors: Test your Reading Skills: A Handbook for Science Doctoral students	
Languages necessary to complete the course: English	
Notes:	

Past grade distribution							
Total number of evaluated students: 404							
A	ABS	B	C	D	E	FX	NEABS
0,0	99,75	0,0	0,0	0,0	0,0	0,0	0,25
Lecturers: Mgr. Aneta Barnes, RNDr. Tatiana Slováková, PhD.							
Last change: 03.10.2022							
Approved by: doc. RNDr. František Křížan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KJ/N-DSSZ-027/22	Course title: Professional English 2
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 2.	
Educational level: III.	
Prerequisites:	
Course requirements: Each course participant is required to achieve proficient knowledge and usage of the English grammar, professional vocabulary, reading and listening comprehension, writing professional texts and oral presentations. Credits will be awarded to students who will demonstrate active participation during seminars and deliver all prior set tasks and assignments successfully. The course participants will be awarded a pass or a fail upon course completion	
Learning outcomes: Doctoral students who successfully pass the examination in Professional English 2 will be enabled to use the English language for specific purposes in all its forms effectively and sufficiently. They will thoroughly comprehend professional texts in written and/or audio form, acquire professional vocabulary and actively participate in various oral communication settings.	
Class syllabus: Theoretical and practical skills in professional writing communication in the English language as a follow up to prior gained knowledge in the previous semester encompass writing professional résumés, summaries, lay summaries, responses to job interview questions, professional CVs, comparing and contrasting in scientific articles, etc. Professional oral communication focusses on research-based scientific presentations and effectively led discussions.	
Recommended literature: Armer, T.: Cambridge English for Scientists CD ROM Writing Professional English Team of authors: Test your Listening Skills: A Handbook for Science Doctoral students Team of authors: Test your Reading Skills: A Handbook for Science Doctoral students	
Languages necessary to complete the course: English	
Notes: B1 level in English is required in order to pass this course. Seminars are held in summer semester. Number of students in one course is limited to twenty.	

Students can choose from four offered time slots.	
Past grade distribution	
Total number of evaluated students: 138	
ABS	NEABS
100,0	0,0
Lecturers: Mgr. Aneta Barnes	
Last change: 03.10.2022	
Approved by: doc. RNDr. František Křížan, PhD.	

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KRGRR/N-DZRG-013/22	Course title: Regional Development Theories
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Type, volume, methods and workload of the student - additional information Form of Study: 180 hours; full-time and distance learning – interpretation, presentation, explanation, discussion Number of contact hours: 180 hours; per week: per level/semester: 180 Method of Study: interpretation, presentation, explanation, discussion	
Number of credits: 5	
Recommended semester: 2.	
Educational level: III.	
Prerequisites:	
Course requirements: Credits will be awarded to a student who fulfills the requirements arising from the course syllabus, otherwise credits for the course will NOT be awarded.	
Learning outcomes: The graduate of the course will gain an overview and knowledge of the changing concepts of the region, as well as knowledge of the changing conditions and state of regional development in terms of different starting points and approaches in the context of time, level of research and development of society. Special attention is paid to the approach to regional development in the conditions of Slovakia, especially in the context of changes, importance and function of endogenous and exogenous factors, the market and state-controlled regional development. The graduate will use the knowledge and skills in social practice in institutions operating in the field of regional development, regional policy and strategic planning,	
Class syllabus: The changing concept of the region; Traditional and new regionalism; Selected classifications of the regions; Philosophical and methodological approaches in regional development (Positivism; Critical realism, Critical approaches etc); Factors, mechanisms and processes in regional development; Contextualization and conceptualization in theories of regional development; Classical (political) and Neoclassical economic theories; New economic geography; Neoliberal theories of regional development; The role of the state in regional development; Keynesian theories of regional development; Regulatory theory; Spatial division of labor theory; Capitalism crisis theory; Regional development and institutional environment; Basic concepts of institutional theories of regional development; Discussion of localities; New industrial premises; Theory of learning regions;	

Innovative concepts; Clusters; Global production networks; Regional development in Slovakia (Endogenous and exogenous factors in regional development; Neoliberal policy; Market and state control regional development etc); New concepts (Green growth to support economic growth and development; green growth and sustainable development; recycling economy and its contribution to regional development, etc.); European Green Deal Search - a new growth strategy for Europe, etc.); implementation of green policies.

Recommended literature:

- Amin, A., Thrift, N. (1994). Globalisation, institutions, and regional development in Europe. Oxford (Oxford University Press).
- Asheim, B. T. (2012). The changing role of learning regions in the globalizing knowledge economy: A theoretical re-examination. *Regional Studies*, 46(8), 993-1004.
- Baláž, V., Balog, M., Bobovnický, A., Gavorová, S., Horváth, M., Chovan, I. (2017). 25 rokov inovácií na Slovensku. Bratislava (SIEA).
- Barca, F., McCann, P., Rodríguez-Pose, A. (2012). The case for regional development intervention: place-based versus place-neutral approaches. *Journal of Regional Science*, 52(1), 134-152.
- Blažek, J., Uhlíř, D. (2020). Teorie regionálního rozvoje. Nástín, kritika, implikace. Praha (Karolinum).
- Blažek, J., (2012). Regionální inovační systémy a globální produkční sítě – dvojí optika na zdroje konkurenceschopnosti v současném světě? *Geografie*, 117(2), 209–233.
- Blažek, J., Csank, P. (2016). Can emerging regional innovation strategies in less developed European regions bridge the main gaps in the innovation process? *Environment and Planning C: Government and Policy*, 34(4), 1095–1114.
- Blažek, J., Kadlec, V. (2019). Knowledge bases, R&D structure and socio-economic and innovation performance of European regions. *Innovation: The European Journal of Social Science*, 32(1), 26-47.
- Bogdański, M. (2012). Modern Theories of Regional Development – a Review of Some Concepts. *Oeconomia Copernicana*, 3(2), 25-41.
- Buček, M. a kol. (2006). Regionálny rozvoj – novšie teoretické koncepcie. Bratislava (Ekonom).
- Cihelková, E. (2007). Nový regionalismus – teorie a případová studie Evropská unie. Praha (C. H. Beck).
- Coe, N. M., Yeung, H. W. (2019). Global production networks: mapping recent conceptual developments. *Journal of Economic Geography*, 19(4), 775-801.
- Cuadrado-Roura, J. R., Martin, R., Rodríguez-Pose, A. (2016). The economic crisis in Europe: Urban and regional consequences. *Cambridge Journal of Regions, Economy and Society*, 9(1), 3-11.
- Gibbs, D., O'Neill, K. (2017). Future green economies and regional development: a research agenda. *Regional Studies*, 51(1), 161-173.
- Halás, M., Klapka, P., Hurbánek, P., Bleha, B., Péntzes, J., Pálóczi, G. (2019). A definition of relevant functional regions for international comparisons: the case of Central Europe. *Area*, 51(3), 489-499.
- Iammarino, S., Rodríguez-Pose, A., Storper, M. (2017). Why regional development matters for Europe's economic future. European Commission Directorate General for Regional and Urban Policy. Working Paper 7. Luxembourg (EU).
- Korec, P., Ondoš, S., Rusnák, J. (2016). Regionálne disparity na Slovensku; niekoľko poznámok k ich bádaniu. *Acta Geographica Universitatis Comenianae*, 60(2), 257-293.
- Lyaskovskaya, E.A. (2017). Sustainable development management in terms of inclusive growth and a green economy. *Management Issues*, 4, 134–143.
- Lyaskovskaya, E., A. (2021). Improving the Sustainability of Regional Development in the Context of Waste Management. *Sustainability*, 13, 1755.
- Matlovič, R. (2010). Teória regiónov a regionalizácie. In: Michaeli, E., Matlovič, R., Ištók, R. (Eds.). *Regionálny rozvoj pre geografov*. Prešov (Prešovská univerzita), pp. 25-89.

Nijkamp, P. (2016). The «resourceful region». A new conceptualisation of regional development strategies. *Investigaciones Regionales – Journal of Regional Research*, 36, 191-214.

Rajčáková, E., Švecová, A. (2019). Regionálny rozvoj a regionálna politika. In: Gurňák, D. (Ed.). 30 rokov transformácie Slovenska. Bratislava (Univerzita Komenského), pp. 65-82.

Rehák, Š. (2011). Regionálne dimenzie znalostnej ekonomiky. Špecifiká transformovaných ekonomík. In: Buček, M., Rehák, Š., Hudec, O. (Eds.). Regionálne dimenzie znalostnej ekonomiky. Bratislava (Ekonom), pp. 14-33.

Rusnák, J., Korec, P. (2020). Teórie regionálneho rozvoja a výskum regiónov. Bratislava (Univerzita Komenského).

Semian, M. (2016). Region in its Complexity: A Discussion on Constructivist Approaches. *Acta Universitatis Carolinae Geographica*, 51(2), 179-188.

Wokoun, R., Malinovský, J., Damborský, M., Blažek, J. a kol. (2008). Regionální rozvoj: východiska regionálního rozvoje, regionální politika, teorie, strategie a programování. Praha (Linde Praha).

Zhang, A., Venkatesh, V. G., Liu, Y., Wan, M., Qu, T., Huisingh, D. (2019). Barriers to smart waste management for a circular economy in China. *Journal of Cleaner Production*, 240, 118198. Current scientific articles.

Languages necessary to complete the course:

Slovak in combination with English (the study literature is in English).

Notes:

Past grade distribution

Total number of evaluated students: 3

ABS	NEABS
100,0	0,0

Lecturers: RNDr. Angelika Švecová, PhD., doc. RNDr. František Križan, PhD., Mgr. Michala Sládeková Madajová, PhD.

Last change: 17.09.2022

Approved by: doc. RNDr. František Križan, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KRGRR/N-DZRG-019/22	Course title: Regional Geography Excursion for Doctoral Students
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Type, volume, methods and workload of the student - additional information Form of Study: field work, analytical, synthetic, demonstration, comparative, problematic, autodidactic methods Number of contact hours: 150 hours; per week: per level/semester: 26 Method of Study: interpretation, presentation, explanation, discussion	
Number of credits: 3	
Recommended semester: 3.	
Educational level: III.	
Prerequisites:	
Course requirements: Credits will be awarded to a student who complete the requirements arising from the course syllabus, otherwise credits for the course will NOT be awarded.	
Learning outcomes: The graduate will deepen and expand their knowledge of regional geography in practice, whether in Slovakia or other countries. The aim of the excursion is to develop and strengthen the student's skills in evaluating regional disparities at the national and international levels. The aim is to develop a critical analysis and the resulting synthesis, as well as a detailed knowledge and understanding of the causal links of different socio-economic levels of individual regions and to apply field research methods in a specific area.	
Class syllabus: -Preparation and planning of the excursion route with emphasis on its professional content -Theoretical preparation - a detailed study of scientific and professional literature on the regions to be covered by the excursion -Active participation in the excursion - participation in its management, professional interpretation -Thematically focused field research in selected localities during the excursion, field data collection, documentation, mapping -Processing of materials obtained during the excursion and in field research -Presentation of the obtained results in the form of partial syntheses in the written work.	
Recommended literature: Selection of professional and scientific literature on individual Slovak, European and non-European regions according to the destination country of the excursion	

Languages necessary to complete the course: Slovak in combination with English (the study literature is in English).	
Notes:	
Past grade distribution Total number of evaluated students: 3	
ABS	NEABS
100,0	0,0
Lecturers: doc. RNDr. Daniel Gurňák, PhD., prof. RNDr. Ladislav Tolmáči, PhD.	
Last change: 17.09.2022	
Approved by: doc. RNDr. František Križan, PhD.	

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KRGRR/N-DZRG-014/22	Course title: Research Methods in Regional Geography
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Type, volume, methods and workload of the student - additional information Form of Study: 180 hours; full-time and distance learning – interpretation, presentation, explanation, discussion Number of contact hours: 180 hours; per week: per level/semester: 180 Method of Study: interpretation, presentation, explanation, discussion	
Number of credits: 5	
Recommended semester: 3.	
Educational level: III.	
Prerequisites:	
Course requirements: Credits will be awarded to a student who meets the basic requirements of the teacher arising from the course syllabus, otherwise credits for the course will NOT be awarded.	
Learning outcomes: The aim of the course is to get acquainted with the most important research concepts and methods that can find application in regional geography. The goal is to provide a basis on which it is possible to start using more sophisticated methods of quantitative research in regional geography. Upon successful completion of this course, students should master the conceptual basis of research in regional geography, know the key sources and information value of geographic data, know how to use basic research methods, understand the essence of more complex procedures, be able to correctly interpret the results of analyzes and be aware of the ethical and value dimensions of geographical research.	
Class syllabus: Philosophical-methodological basis of regional geography, nature of research in regional geography, theory and observation, scientific method, operational decisions Choice/selection and suitability of the methods depending on the goal and focus of the research (basic selection criteria/for the selection of methods) Data collection (primary and secondary geographical data, measurement and mapping, field research, questionnaire and interview, participatory observation, remote sensing, historical sources, internet sources) Data analysis and interpretation (selection procedures, descriptive statistics, multidimensional statistics, confirmatory statistics, geostatistics, mathematical modeling, geographic information	

systems, cartographic representation, computer-aided analysis of qualitative data, text analysis) using R and SPSS programs Research obligations (scientific communication in geography, processing of research reports, posters, dissertations and case studies, ethical, moral and value issues of research)					
Recommended literature: Brunsdon, C., Comber, L. (2014). An introduction to R for spatial analysis and mapping. London (SAGE). Clifford N., French S., Valentine, G. (2010). Key methods in geography. London (SAGE). Denzin, N. K., Lincoln, Y. S. (2011). The SAGE handbook of qualitative research. London (SAGE). Flick, U. (2017). The SAGE handbook of qualitative data collection. London (SAGE). Fotheringham A. S., Rogerson, P. A. (2009). The SAGE handbook of spatial analysis. Los Angeles (SAGE). Gomez B., Jones, J. P. (2010). Research methods in geography. Chichester (Wiley-Blackwell). Hennink, M., Hutter, I., Bailey, A. (2020). Qualitative research methods. London (SAGE). Jiang, H., Chen, Q., Zeng, Y., Li, D. (2019). Mobile Data Mining and Applications. Cham (Springer). Klapka, P. (2019). Regiony a regionální taxonomie: koncepty, přístupy, aplikace. Olomouc (Univerzita Palackého v Olomouci). Korec, P., Rusnák, J. (2018). Prístupy humánnej geografie–filozofia, teória a kontext. Bratislava (Univerzita Komenského v Bratislave). Lloyd, C. D. (2010). Spatial data analysis. Oxford (Oxford University Press). MacInnes, J. (2016). An introduction to secondary data analysis with IBM SPSS statistics. London (SAGE). Montello, D. R., Sutton, P. C. (2006). An introduction to scientific research methods in geography. Thousand Oaks (SAGE). Nyerges, T., Couclelis, H., McMaster, R. (2011). The SAGE handbook of GIS and society. London (SAGE). Paasi, A., Harrison, J., Jones, M. (2018). Handbook on the Geographies of Regions and Territories. Cheltenham (Edward Elgar Publishing). Rogerson, P. A. (2019). Statistical methods for geography: a student's guide. Los Angeles (SAGE). Rochovská, A., Káčerová, M., Ondoš, S. (2014). Výskumné metódy v humánnej geografii a ich aplikácie. Bratislava (Univerzita Komenského v Bratislave). Tashakkori, A., Teddlie, C. (2010). SAGE handbook of mixed methods in social and behavioral research. London (SAGE). Wilson J. P., Fotheringham, A. S. (2008). The handbook of geographic information science. Malden (Blackwell). Current scientific articles					
Languages necessary to complete the course: Slovak language in combination with English (study literature in English)					
Notes: the course is provided only in the winter semester					
Past grade distribution Total number of evaluated students: 4 <table border="1"> <thead> <tr> <th>ABS</th><th>NEABS</th></tr> </thead> <tbody> <tr> <td>100,0</td><td>0,0</td></tr> </tbody> </table>		ABS	NEABS	100,0	0,0
ABS	NEABS				
100,0	0,0				
Lecturers: doc. RNDr. František Križan, PhD., Mgr. Michala Sládeková Madajová, PhD., doc. Mgr. Martin Šveda, PhD.					
Last change: 17.09.2022					

Approved by: doc. RNDr. František Křížan, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KRGRR/N-DZRG-015/22	Course title: Scientific publishing and research ethics in geography
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Type, volume, methods and workload of the student - additional information Form of Study: study (combined form), lectures, seminars Number of contact hours: per week: 1 lecture / 1 seminar per level/semester: 26 Method of Study: interpretation, presentation, explanation, discussion	
Number of credits: 3	
Recommended semester: 1.	
Educational level: III.	
Prerequisites:	
Course requirements: Active participation in seminars during the semester. Participation in discussions on selected issues and presentation of own positive and negative experiences with scientific work. Preparation of a scientific article concept.	
Learning outcomes: The graduate of the course will obtain knowledge and skills with the process of scientific research and scientific publishing. They will get acquainted with ethical and legal aspects of geographical research. The graduate of the course will obtain: Overview of thematic scientific periodicals Overview of indexed databases and publishing options in them Knowledge of the importance of individual as well as team scientific work Knowledge of the ethics of scientific research (work with personal data, anonymization and aggregation of data) Knowledge of the ethics of scientific publishing (plagiarism and predatory in science) The graduate of the course is able to: Apply knowledge to their scientific research and dissertation processing Critically receive, verify and evaluate information in scientific publications Implement scientific research and publishing activities in the intentions of the Ethics Code of Comenius University in Bratislava (Ethics Code of SAS)	
Class syllabus: Scientific periodicals and their classification Scientific periodicals and their impact on scientific knowledge Scientific databases and their tools: WoS, Scopus	

Scientific community and social networks: ResearchGate and others Ethical aspects of creating a scientific publication Predatory journals and plagiarism in the scientific community How to write a scientific publication? IMRAD structure (introduction-methods-results-and-discussion) Manuscript preparation Review procedure: acceptance or rejection of scientific work Responses to reviews Publishing and practice Critical discussion and summary Presentation and publishing of scientific activities	
Recommended literature: Benson, P. J., Silver, S. C. (2013). What editors want: an author's guide to scientific journal publishing. Chicago (University of Chicago Press). Creswell, J. (2014). Research Design: Qualitative, Quantitative, and Mixed Methods Approaches. London (SAGE). Cuschieri, S., Grech, V., Savona-Ventura, C. (2018). WASP (Write a Scientific Paper): How to write a scientific thesis. Early Human Development, 127, 101-105. Flick, U. (2015). Introducing research methodology: A beginner's guide to doing a research project. Los Angeles (SAGE). Gray, D. E. (2021). Doing research in the real world. London (SAGE). Lazíková, J. (2013). Autorský zákon – komentár. Bratislava (IURA). Thomas, G. (2017). How to do your research project: A guide for students. London (SAGE). Wu, J. (2011). Improving the writing of research papers: IMRAD and beyond. Landscape Ecology, 26, 1345-1349. Recent scientific papers	
Languages necessary to complete the course: Slovak in combination with English (the study literature is in English).	
Notes:	
Past grade distribution Total number of evaluated students: 4	
ABS	NEABS
100,0	0,0
Lecturers: doc. RNDr. František Križan, PhD., doc. Mgr. Martin Šveda, PhD.	
Last change: 17.09.2022	
Approved by: doc. RNDr. František Križan, PhD.	

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF.KDPP/N-DSSZ-500/22				Course title: Selected topics from university pedagogy for non-teachers			
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 3							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 40							
A	ABS	B	C	D	E	FX	NEABS
0,0	95,0	0,0	0,0	0,0	0,0	0,0	5,0
Lecturers: RNDr. Jana Ciceková, PhD., doc. RNDr. PaedDr. Zuzana Haláková, PhD., PhDr. ThLic. Peter Ikhardt, PhD.							
Last change: 30.09.2022							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KJ/N-DSSZ-022/22	Course title: Slovak for Foreign Doctoral Students 1
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Number of credits: 3	
Recommended semester: 1., 2., 3., 4..	
Educational level: III.	
Prerequisites:	
Course requirements: The objective of the course is to acquire the basics of Slovak in a communicative way, to develop individual language skills (listening, reading, writing and speaking) based on the Common European Framework of Reference for Languages (CEFR) for the level A1, from a complete beginner level. Based on the completion of the course, the participants are able to understand and react to common situations. They are able to speak about themselves, ask for more information they need to know. Scale of assessment (preliminary/final): Credits will not be awarded to students who receive less than 60% on the final examination.	
Learning outcomes: The objective of the course is to acquire the basics of Slovak in a communicative way, to develop individual language skills (listening, reading, writing and speaking) based on the Common European Framework of Reference for Languages (CEFR) for the level A1, from a complete beginner level. Based on the completion of the course, the participants are able to understand and react to common situations. They are able to speak about themselves, ask for more information they need to know.	
Class syllabus: Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A1 (Lekcia: 1-5). UK v Bratislave, 2012. Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A1+A2, cvičebnica Audio program: https://uniba.sk/krizom-krazom Worksheets, website: https://slovake.eu/sk	
Recommended literature: Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A1 (Lekcia: 1-5). UK v Bratislave, 2012. Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A1+A2, cvičebnica Audio program: https://uniba.sk/krizom-krazom Worksheets, website: https://slovake.eu/sk	

Languages necessary to complete the course: Slovak in combination with English (the study literature is in both Slovak and English)							
Notes: It is possible to register for the course just once. Students may begin in either the Summer or Winter semester.							
Past grade distribution Total number of evaluated students: 93							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: Mgr. Karin Rózsová Wolfová							
Last change: 28.09.2022							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KJ/N-DSSZ-023/22	Course title: Slovak for Foreign Doctoral Students 2
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 1., 2., 3., 4..	
Educational level: III.	
Prerequisites:	
Course requirements: Type, extent and method of academic activities: 2 hours (at 60 min. per hour) of weekly lessons in the form of seminars. All academic activities will take place during the lessons. Number of credits: 3 credits Recommended semester/trimester of study: from 1st to 8th semester Level of study: third Subject conditions: Slovak for Foreign Doctoral Students 1 Requirements for course completion: active participation during lessons, ongoing work on the assignments. There will be a final examination at the end of the semester. Scale of assessment (preliminary/final): Credits will not be awarded to students who receive less than 60% on the final examination.	
Learning outcomes: Course Objectives: The objective of the course is to acquire the basics of Slovak in a communicative way, to develop individual language skills (listening, reading, writing and speaking) based on the Common European Framework of Reference for Languages (CEFR) for the level A1 - intended for beginner or pre-intermediate.	
Class syllabus: The lessons contain the basics of Slovak grammar which are relevant to the specifics of Slovak as a foreign language. Selected grammatical phenomena, conjugation and declination are practised. Vocabulary is focused on real-life communication needs.	
Recommended literature: Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A1 Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A1+A2, workbook Audio program: https://uniba.sk/krizom-krazom Worksheets are prepared by the course instructor. Portal: https://slovae.eu/sk	
Languages necessary to complete the course: Slovak in combination with English (the study literature is in both Slovak and English)	

Notes:

It is possible to register for the course just once. Students may begin in either the Summer or Winter semester.

Past grade distribution

Total number of evaluated students: 64

A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: Mgr. Karin Rózsová Wolfová

Last change: 18.07.2022

Approved by: doc. RNDr. František Križan, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KJ/N-DSSZ-024/22	Course title: Slovak for Foreign Doctoral Students 3
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 1., 2., 3., 4..	
Educational level: III.	
Prerequisites:	
Course requirements: Type, extent and method of academic activities: 2 hours (at 60 min. per hour) of weekly lessons in the form of seminars. All academic activities will take place during the lessons. Number of credits: 3 credits Recommended semester/trimester of study: from 1st to 8th semester Level of study: third Subject conditions: Slovak for Foreign Doctoral Students 2 Requirements for course completion: active participation during lessons, ongoing work on the assignments. There will be a final examination at the end of the semester. Scale of assessment (preliminary/final): Credits will not be awarded to students who receive less than 60% on the final examination.	
Learning outcomes: The objective of the course is to acquire the basics of Slovak in a communicative way, to develop individual language skills (listening, reading, writing and speaking) based on the Common European Framework of Reference for Languages (CEFR) for the levels A1 – A2. Intended for levels A1-A2, beginner to pre-intermediate	
Class syllabus: The lessons contain the basics of Slovak grammar which are relevant to the specifics of Slovak as a foreign language. Selected grammatical phenomena, conjugation and declination are practised. Vocabulary is focused on real-life communication needs.	
Recommended literature: Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A1, A2 Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A1+A2, workbook Audio program: https://uniba.sk/krizom-krazom Worksheets are prepared by the course instructor. Portal: https://slovake.eu/sk	
Languages necessary to complete the course: Slovak in combination with English (the study literature is in both Slovak and English)	

Notes:

It is possible to register for the course just once. Students may begin in either the Summer or Winter semester.

Past grade distribution

Total number of evaluated students: 59

A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0

Lecturers: Mgr. Karin Rózsová Wolfová

Last change: 18.07.2022

Approved by: doc. RNDr. František Křížan, PhD.

COURSE DESCRIPTION

Academic year: 2025/2026	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KJ/N-DSSZ-028/22	Course title: Slovak for Foreign Doctoral Students 4
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 1., 2., 3., 4..	
Educational level: III.	
Prerequisites:	
Course requirements: Grading (Assessment/Evaluation): Active participation during lessons, ongoing work on the assignments. There will be a final examination at the end of the semester. Credits will be awarded to students who receive more than 60% on the final examination. The course participants will be awarded a pass or a fail upon course completion.	
Learning outcomes: Objectives and outcomes: The objective of the course is to acquire the basics of Slovak in a communicative way, to develop individual language skills (listening, reading, writing and speaking) based on the Common European Framework of Reference for Languages (CEFR) for the levels A1 – A2, pre-intermediate level. Based on the completion of the course, the participants are able to understand the common situations and they are able to have a discussion and comment basic daily scenarios.	
Class syllabus: Brief outline of the course: The lessons contain the basics of Slovak grammar which are relevant to the specifics of Slovak as a foreign language. Selected grammatical aspects (verb - conjugation/next conjugation classes, possessive pronouns, I like/enjoy doing something, I like something, comparison of adjectives and adverbs, conditional) are practised. Vocabulary is focused on real-life communication needs.	
Recommended literature: Recommended literature: Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A1. UK v Bratislave, 2012. Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A2. (Lekcia 1-4). UK v Bratislave, 2012. Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A1+A2, cvičebnica Audio program: https://uniba.sk/krizom-krazom Worksheets, website: https://slovake.eu/sk	
Languages necessary to complete the course:	

Language of instruction: Slovak in combination with English (the study literature is in Slovak).							
Notes:							
Past grade distribution Total number of evaluated students: 19							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers: Mgr. Karin Rózsová Wolfová							
Last change: 18.10.2022							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-506/22				Course title: Supervisor of the SSC contribution			
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 4							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 12							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-404/22			Course title: V1 Scientific output as a whole - ESB monograph (originally AAA, ABA), individual authorship less than 3 AH				
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 20							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 1							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-401/22			Course title: V1 Scientific output as a whole – ESB monograph (originally AAA, ABA), individual authorship share ≥ 3 AH				
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 30							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 1							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-405/22			Course title: V2 Scientific output as part - study in ESB or collection (originally AAB, ABA, ABB), individual authorship less than 3 AH				
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 20							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 8							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-402/22			Course title: V2 Scientific output as part - study in ESB or collection (originally AAB, ABA, ABB), individual authorship share ≥ 3 AH				
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 30							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 1							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-411/22			Course title: V2 Scientific output as part of ESB, collection - contribution in peer reviewed scientific collection, monograph (originally AEC, AFA, AFC, AED)				
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 6							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 520							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-406/22			Course title: V3 Scientific output as a part - study in a journal (originally AAB, ABA, ABB), individual authorship less than 3 AH				
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 20							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 3							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-403/22				Course title: V3 Scientific output as a part - study in a journal (originally AAB, ABA, ABB), individual authorship ≥ 3 AH			
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 30							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 0							
A	ABS	B	C	D	E	FX	NEABS
0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-410/22			Course title: V3 Scientific output in a journal outside the index databases (originally ADE, ADF)				
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 12							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 79							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-407/22		Course title: V3 Scientific output in a journal registered by CCC, WOS, SCOPUS - JCR/Q1 – Q2 (originally ADC, ADD, ADM, ADN), first or corresponding author					
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 50							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 218							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-408/22		Course title: V3 Scientific output in a journal registered by CCC, WOS, SCOPUS - JCR/Q3- Q4 (originally ADC, ADD, ADM, ADN), first or corresponding author					
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 40							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 109							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							

COURSE DESCRIPTION

Academic year: 2025/2026							
University: Comenius University Bratislava							
Faculty: Faculty of Natural Sciences							
Course ID: PriF/N-DSSZ-409/22		Course title: V3 Scientific output in the journal registered by CCC, WOS, SCOPUS - JCR/Q1 – Q2 – Q3 - Q4 (originally ADC, ADD, ADM, ADN), co-author					
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning							
Number of credits: 20							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 379							
A	ABS	B	C	D	E	FX	NEABS
0,0	100,0	0,0	0,0	0,0	0,0	0,0	0,0
Lecturers:							
Last change:							
Approved by: doc. RNDr. František Križan, PhD.							