

# Course descriptions

## TABLE OF CONTENTS

|                                                                                                                                       |    |
|---------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. N-DSSZ-412/22 Abstract of a contribution from a domestic or an international conference (originally AFG, AFK, AFH, AFL).....       | 3  |
| 2. N-DSSZ-505/22 Bachelor's thesis reviewer.....                                                                                      | 4  |
| 3. N-DSSZ-504/22 Bachelor's thesis supervisor.....                                                                                    | 5  |
| 4. N-DGPA-008/22 Biostratigraphy.....                                                                                                 | 6  |
| 5. N-DSSZ-414/22 Completing a long-term ERASMUS+ internship (minimum 60 days).....                                                    | 8  |
| 6. N-DSSZ-415/22 Completion of SAIA/NŠP internship program or other equivalent (minimum 30 days).....                                 | 9  |
| 7. N-DSSZ-416/22 Completion of a short-term foreign internship (15-30 days, and related to the topic of the PhD thesis).....          | 10 |
| 8. PriF-DSSZ-001/22 Dissertation 1.....                                                                                               | 11 |
| 9. PriF-DSSZ-002/22 Dissertation 2.....                                                                                               | 12 |
| 10. PriF-DSSZ-003/22 Dissertation 3.....                                                                                              | 13 |
| 11. PriF-DSSZ-004/22 Dissertation 4.....                                                                                              | 14 |
| 12. PriF-DSSZ-005/22 Dissertation 5.....                                                                                              | 16 |
| 13. PriF-DSSZ-006/22 Dissertation 6.....                                                                                              | 18 |
| 14. PriF-DSSZ-007/22 Dissertation 7.....                                                                                              | 19 |
| 15. PriF-DSSZ-024/22 Dissertation 8.....                                                                                              | 20 |
| 16. PriF-DSSZ-025/22 Dissertation 9.....                                                                                              | 21 |
| 17. N-DGPA-400/22 Dissertation exam ( <b>state exam</b> ).....                                                                        | 22 |
| 18. N-DSSZ-303/22 Dissertation's Thesis Defence ( <b>state exam</b> ).....                                                            | 24 |
| 19. N-DGPA-012/22 Doctoral thesis seminar.....                                                                                        | 25 |
| 20. N-DSSZ-400/22 Grant CU or Grant SAS or equivalent grant.....                                                                      | 26 |
| 21. N-DSSZ-413/22 Intellectual Property Rights Document (originally AGJ).....                                                         | 27 |
| 22. N-DGPA-010/22 Micropalaeontology.....                                                                                             | 28 |
| 23. N-DSSZ-508/22 Other activities.....                                                                                               | 30 |
| 24. N-DSSZ-501/22 P1 Pedagogical output as a whole (originally ACA, ACB, BCI, BCB).....                                               | 31 |
| 25. N-DSSZ-503/22 P2 Pedagogical output as a part (originally BCK).....                                                               | 32 |
| 26. N-DSSZ-502/22 P2 Pedagogical output as part (originally ACC, ACD).....                                                            | 33 |
| 27. N-DGPA-011/22 Palaeoecology.....                                                                                                  | 34 |
| 28. N-DGPA-007/22 Palaeontology.....                                                                                                  | 36 |
| 29. N-DSSZ-507/22 Pedagogical activity (4 hours/WS and 4 hours/SS) or alternative pedagogical work.....                               | 37 |
| 30. N-DSSZ-026/22 Professional English 1.....                                                                                         | 38 |
| 31. N-DSSZ-027/22 Professional English 2.....                                                                                         | 40 |
| 32. N-DSSZ-500/22 Selected topics from university pedagogy for non-teachers.....                                                      | 42 |
| 33. N-DSSZ-022/22 Slovak for Foreign Doctoral Students 1.....                                                                         | 43 |
| 34. N-DSSZ-023/22 Slovak for Foreign Doctoral Students 2.....                                                                         | 45 |
| 35. N-DSSZ-024/22 Slovak for Foreign Doctoral Students 3.....                                                                         | 47 |
| 36. N-DSSZ-028/22 Slovak for Foreign Doctoral Students 4.....                                                                         | 49 |
| 37. N-DSSZ-506/22 Supervisor of the SSC contribution.....                                                                             | 51 |
| 38. N-DGPA-009/22 Taxonomy and phylogeny.....                                                                                         | 52 |
| 39. N-DSSZ-404/22 V1 Scientific output as a whole - ESB monograph (originally AAA, ABA), individual authorship less than 3 AH.....    | 54 |
| 40. N-DSSZ-401/22 V1 Scientific output as a whole – ESB monograph (originally AAA, ABA), individual authorship share $\geq 3$ AH..... | 55 |

|                                                                                                                                                                         |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 41. N-DSSZ-405/22 V2 Scientific output as part - study in ESB or collection (originally AAB, ABA, ABB), individual authorship less than 3 AH.....                       | 56 |
| 42. N-DSSZ-402/22 V2 Scientific output as part - study in ESB or collection (originally AAB, ABA, ABB), individual authorship share $\geq 3$ AH.....                    | 57 |
| 43. N-DSSZ-411/22 V2 Scientific output as part of ESB, collection - contribution in peer reviewed scientific collection, monograph (originally AEC, AFA, AFC, AED)..... | 58 |
| 44. N-DSSZ-406/22 V3 Scientific output as a part - study in a journal (originally AAB, ABA, ABB), individual authorship less than 3 AH.....                             | 59 |
| 45. N-DSSZ-403/22 V3 Scientific output as a part - study in a journal (originally AAB, ABA, ABB), individual authorship $\geq 3$ AH.....                                | 60 |
| 46. N-DSSZ-410/22 V3 Scientific output in a journal outside the index databases (originally ADE, ADF).....                                                              | 61 |
| 47. N-DSSZ-407/22 V3 Scientific output in a journal registered by CCC, WOS, SCOPUS - JCR/ Q1 – Q2 (originally ADC, ADD, ADM, ADN), first or corresponding author.....   | 62 |
| 48. N-DSSZ-408/22 V3 Scientific output in a journal registered by CCC, WOS, SCOPUS - JCR/ Q3- Q4 (originally ADC, ADD, ADM, ADN), first or corresponding author.....    | 63 |
| 49. N-DSSZ-409/22 V3 Scientific output in the journal registered by CCC, WOS, SCOPUS - JCR/ Q1 – Q2 – Q3 - Q4 (originally ADC, ADD, ADM, ADN), co-author.....           | 64 |
| 50. N-DGPA-006/22 Štúdium oceánu, oceánografia a klíma.....                                                                                                             | 65 |

## COURSE DESCRIPTION

|                                                                                                                                                                                |       |     |                                                                                                                                   |     |     |     |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                |       |     |                                                                                                                                   |     |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                              |       |     |                                                                                                                                   |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |       |     |                                                                                                                                   |     |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-412/22                                                                                                                                        |       |     | <b>Course title:</b><br>Abstract of a contribution from a domestic or an international conference (originally AFG, AFK, AFH, AFL) |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |       |     |                                                                                                                                   |     |     |     |       |
| <b>Number of credits:</b> 4                                                                                                                                                    |       |     |                                                                                                                                   |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |       |     |                                                                                                                                   |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |       |     |                                                                                                                                   |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |       |     |                                                                                                                                   |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |       |     |                                                                                                                                   |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |       |     |                                                                                                                                   |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |       |     |                                                                                                                                   |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |       |     |                                                                                                                                   |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |       |     |                                                                                                                                   |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |       |     |                                                                                                                                   |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 423                                                                                                      |       |     |                                                                                                                                   |     |     |     |       |
| A                                                                                                                                                                              | ABS   | B   | C                                                                                                                                 | D   | E   | FX  | NEABS |
| 0,0                                                                                                                                                                            | 100,0 | 0,0 | 0,0                                                                                                                               | 0,0 | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b>                                                                                                                                                              |       |     |                                                                                                                                   |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |       |     |                                                                                                                                   |     |     |     |       |
| <b>Approved by:</b>                                                                                                                                                            |       |     |                                                                                                                                   |     |     |     |       |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----|----------------------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                  |       |     |     |                                                    |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                |       |     |     |                                                    |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                      |       |     |     |                                                    |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-505/22                                                                                                                                          |       |     |     | <b>Course title:</b><br>Bachelor's thesis reviewer |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:   per level/semester:</b><br><b>Form of the course:</b> on-site learning |       |     |     |                                                    |     |     |       |
| <b>Number of credits:</b> 3                                                                                                                                                      |       |     |     |                                                    |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                     |       |     |     |                                                    |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                   |       |     |     |                                                    |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                            |       |     |     |                                                    |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                      |       |     |     |                                                    |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                        |       |     |     |                                                    |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                           |       |     |     |                                                    |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                   |       |     |     |                                                    |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                               |       |     |     |                                                    |     |     |       |
| <b>Notes:</b>                                                                                                                                                                    |       |     |     |                                                    |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 140                                                                                                        |       |     |     |                                                    |     |     |       |
| A                                                                                                                                                                                | ABS   | B   | C   | D                                                  | E   | FX  | NEABS |
| 0,0                                                                                                                                                                              | 100,0 | 0,0 | 0,0 | 0,0                                                | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b>                                                                                                                                                                |       |     |     |                                                    |     |     |       |
| <b>Last change:</b>                                                                                                                                                              |       |     |     |                                                    |     |     |       |
| <b>Approved by:</b>                                                                                                                                                              |       |     |     |                                                    |     |     |       |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----|------------------------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                  |       |     |     |                                                      |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                |       |     |     |                                                      |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                      |       |     |     |                                                      |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-504/22                                                                                                                                          |       |     |     | <b>Course title:</b><br>Bachelor's thesis supervisor |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:   per level/semester:</b><br><b>Form of the course:</b> on-site learning |       |     |     |                                                      |     |     |       |
| <b>Number of credits:</b> 8                                                                                                                                                      |       |     |     |                                                      |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                     |       |     |     |                                                      |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                   |       |     |     |                                                      |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                            |       |     |     |                                                      |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                      |       |     |     |                                                      |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                        |       |     |     |                                                      |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                           |       |     |     |                                                      |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                   |       |     |     |                                                      |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                               |       |     |     |                                                      |     |     |       |
| <b>Notes:</b>                                                                                                                                                                    |       |     |     |                                                      |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 50                                                                                                         |       |     |     |                                                      |     |     |       |
| A                                                                                                                                                                                | ABS   | B   | C   | D                                                    | E   | FX  | NEABS |
| 0,0                                                                                                                                                                              | 100,0 | 0,0 | 0,0 | 0,0                                                  | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b>                                                                                                                                                                |       |     |     |                                                      |     |     |       |
| <b>Last change:</b>                                                                                                                                                              |       |     |     |                                                      |     |     |       |
| <b>Approved by:</b>                                                                                                                                                              |       |     |     |                                                      |     |     |       |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                         |
| <b>Course ID:</b><br>PriF.KGP/N-DGPA-008/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Course title:</b><br>Biostratigraphy |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                         |
| <b>Type, volume, methods and workload of the student - additional information</b><br>Type, scope and method of educational activities: combined<br>Form of Study: lectures and selected invited lectures<br>Number of contact hours: 2 per week: 2 per level/semester: 24 hours                                                                                                                                                                                                                                                                                                                                                                |                                         |
| <b>Number of credits:</b> 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                         |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |
| <b>Educational level:</b> III.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                         |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                         |
| <b>Course requirements:</b><br>The course ends with an oral exam, where the examiner checks the overall overview of the student from the subject area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                         |
| <b>Learning outcomes:</b><br>Upon successful completion of this course, students will gain an overview and knowledge of the development and current state of ortho- and parabiostatigraphic zonations (their biomarkers and bioevents) of the Paleo-, Meso- and Cenozoic sedimentary formations of the Western Carpathians and adjacent, developmentally related areas.                                                                                                                                                                                                                                                                        |                                         |
| <b>Class syllabus:</b><br>Biostratigraphy. Biostratigraphic units. Character and types of biostratigraphic units. Hierarchy of biostratigraphic units. Procedure for determining and naming biostratigraphic units. Biostratigraphic correlation. Revision of biostratigraphic units. Applications of biostratigraphic research in dating sedimentary sequences.                                                                                                                                                                                                                                                                               |                                         |
| <b>Recommended literature:</b><br>1.Hedberg H. D. (ed. 1976). International Stratigraphic Guide. A Guide to Stratigraphic Classification, Terminology, and Procedure. International Subcommission on Stratigraphic Classification of IUGS Commission on Stratigraphy. A Willey Interscience Publication, John Willey and Sons, New York-London-Sydney-Toronto. 200p.<br>2.Michalík a kol. 2007. Stratigrafická príručka. Veda, 168 s.<br>3. Andrusov D., Samuel O., a kol.1985 Stratigrafický slovník Západných Karpát 1,2,3. Geologický ústav Dionýza Štúra, Bratislava<br>Aktuálne štúdie a publikácie venované biostratigrafickému výskumu. |                                         |
| <b>Languages necessary to complete the course:</b><br>Slovak and English                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                         |

|                                                      |       |
|------------------------------------------------------|-------|
| <b>Notes:</b>                                        |       |
| <b>Past grade distribution</b>                       |       |
| Total number of evaluated students: 1                |       |
| ABS                                                  | NEABS |
| 100,0                                                | 0,0   |
| <b>Lecturers:</b> prof. RNDr. Daniela Reháková, CSc. |       |
| <b>Last change:</b> 18.09.2022                       |       |
| <b>Approved by:</b>                                  |       |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----|---------------------------------------------------------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                  |       |     |     |                                                                                       |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                |       |     |     |                                                                                       |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                      |       |     |     |                                                                                       |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-414/22                                                                                                                                          |       |     |     | <b>Course title:</b><br>Completing an long-term ERASMUS+ internship (minimum 60 days) |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:   per level/semester:</b><br><b>Form of the course:</b> on-site learning |       |     |     |                                                                                       |     |     |       |
| <b>Number of credits:</b> 20                                                                                                                                                     |       |     |     |                                                                                       |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                     |       |     |     |                                                                                       |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                   |       |     |     |                                                                                       |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                            |       |     |     |                                                                                       |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                      |       |     |     |                                                                                       |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                        |       |     |     |                                                                                       |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                           |       |     |     |                                                                                       |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                   |       |     |     |                                                                                       |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                               |       |     |     |                                                                                       |     |     |       |
| <b>Notes:</b>                                                                                                                                                                    |       |     |     |                                                                                       |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 19                                                                                                         |       |     |     |                                                                                       |     |     |       |
| A                                                                                                                                                                                | ABS   | B   | C   | D                                                                                     | E   | FX  | NEABS |
| 0,0                                                                                                                                                                              | 94,74 | 0,0 | 0,0 | 0,0                                                                                   | 0,0 | 0,0 | 5,26  |
| <b>Lecturers:</b>                                                                                                                                                                |       |     |     |                                                                                       |     |     |       |
| <b>Last change:</b>                                                                                                                                                              |       |     |     |                                                                                       |     |     |       |
| <b>Approved by:</b>                                                                                                                                                              |       |     |     |                                                                                       |     |     |       |



## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----|---------------------------------------------------------------------------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                           |       |     |     |                                                                                                         |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                         |       |     |     |                                                                                                         |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                               |       |     |     |                                                                                                         |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-415/22                                                                                                                                   |       |     |     | <b>Course title:</b><br>Completion of SAIA/NŠP internship program or other equivalent (minimum 30 days) |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br>per week:   per level/semester:<br><b>Form of the course:</b> on-site learning |       |     |     |                                                                                                         |     |     |       |
| <b>Number of credits:</b> 20                                                                                                                                              |       |     |     |                                                                                                         |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                              |       |     |     |                                                                                                         |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                            |       |     |     |                                                                                                         |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                     |       |     |     |                                                                                                         |     |     |       |
| <b>Course requirements:</b>                                                                                                                                               |       |     |     |                                                                                                         |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                 |       |     |     |                                                                                                         |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                    |       |     |     |                                                                                                         |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                            |       |     |     |                                                                                                         |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                        |       |     |     |                                                                                                         |     |     |       |
| <b>Notes:</b>                                                                                                                                                             |       |     |     |                                                                                                         |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 25                                                                                                  |       |     |     |                                                                                                         |     |     |       |
| A                                                                                                                                                                         | ABS   | B   | C   | D                                                                                                       | E   | FX  | NEABS |
| 0,0                                                                                                                                                                       | 100,0 | 0,0 | 0,0 | 0,0                                                                                                     | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b>                                                                                                                                                         |       |     |     |                                                                                                         |     |     |       |
| <b>Last change:</b>                                                                                                                                                       |       |     |     |                                                                                                         |     |     |       |
| <b>Approved by:</b>                                                                                                                                                       |       |     |     |                                                                                                         |     |     |       |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|--------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                           |       |     |                                                                                                                                |     |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                         |       |     |                                                                                                                                |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                               |       |     |                                                                                                                                |     |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-416/22                                                                                                                                   |       |     | <b>Course title:</b><br>Completion of a short-term foreign internship (15-30 days, and related to the topic of the PhD thesis) |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br>per week:   per level/semester:<br><b>Form of the course:</b> on-site learning |       |     |                                                                                                                                |     |     |     |       |
| <b>Number of credits:</b> 7                                                                                                                                               |       |     |                                                                                                                                |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                              |       |     |                                                                                                                                |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                            |       |     |                                                                                                                                |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                     |       |     |                                                                                                                                |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                               |       |     |                                                                                                                                |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                 |       |     |                                                                                                                                |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                    |       |     |                                                                                                                                |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                            |       |     |                                                                                                                                |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                        |       |     |                                                                                                                                |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                             |       |     |                                                                                                                                |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 47                                                                                                  |       |     |                                                                                                                                |     |     |     |       |
| A                                                                                                                                                                         | ABS   | B   | C                                                                                                                              | D   | E   | FX  | NEABS |
| 0,0                                                                                                                                                                       | 100,0 | 0,0 | 0,0                                                                                                                            | 0,0 | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b>                                                                                                                                                         |       |     |                                                                                                                                |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                       |       |     |                                                                                                                                |     |     |     |       |
| <b>Approved by:</b>                                                                                                                                                       |       |     |                                                                                                                                |     |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                |       |     |     |                                        |     |     |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----|----------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                |       |     |     |                                        |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                              |       |     |     |                                        |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |       |     |     |                                        |     |     |       |
| <b>Course ID:</b><br>PriF.KGP/PriF-DSSZ-001/22                                                                                                                                 |       |     |     | <b>Course title:</b><br>Dissertation 1 |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |       |     |     |                                        |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                    |       |     |     |                                        |     |     |       |
| <b>Recommended semester:</b> 1.                                                                                                                                                |       |     |     |                                        |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |       |     |     |                                        |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |       |     |     |                                        |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |       |     |     |                                        |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |       |     |     |                                        |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |       |     |     |                                        |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |       |     |     |                                        |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |       |     |     |                                        |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |       |     |     |                                        |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 6                                                                                                        |       |     |     |                                        |     |     |       |
| A                                                                                                                                                                              | ABS   | B   | C   | D                                      | E   | FX  | NEABS |
| 0,0                                                                                                                                                                            | 100,0 | 0,0 | 0,0 | 0,0                                    | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b>                                                                                                                                                              |       |     |     |                                        |     |     |       |
| <b>Last change:</b> 06.09.2022                                                                                                                                                 |       |     |     |                                        |     |     |       |
| <b>Approved by:</b>                                                                                                                                                            |       |     |     |                                        |     |     |       |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----|----------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                  |       |     |     |                                        |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                |       |     |     |                                        |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                      |       |     |     |                                        |     |     |       |
| <b>Course ID:</b><br>PriF.KGP/PriF-DSSZ-002/22                                                                                                                                   |       |     |     | <b>Course title:</b><br>Dissertation 2 |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:   per level/semester:</b><br><b>Form of the course:</b> on-site learning |       |     |     |                                        |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                      |       |     |     |                                        |     |     |       |
| <b>Recommended semester:</b> 2.                                                                                                                                                  |       |     |     |                                        |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                   |       |     |     |                                        |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                            |       |     |     |                                        |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                      |       |     |     |                                        |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                        |       |     |     |                                        |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                           |       |     |     |                                        |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                   |       |     |     |                                        |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                               |       |     |     |                                        |     |     |       |
| <b>Notes:</b>                                                                                                                                                                    |       |     |     |                                        |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 2                                                                                                          |       |     |     |                                        |     |     |       |
| A                                                                                                                                                                                | ABS   | B   | C   | D                                      | E   | FX  | NEABS |
| 0,0                                                                                                                                                                              | 100,0 | 0,0 | 0,0 | 0,0                                    | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b>                                                                                                                                                                |       |     |     |                                        |     |     |       |
| <b>Last change:</b> 06.09.2022                                                                                                                                                   |       |     |     |                                        |     |     |       |
| <b>Approved by:</b>                                                                                                                                                              |       |     |     |                                        |     |     |       |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----|----------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                |       |     |     |                                        |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                              |       |     |     |                                        |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |       |     |     |                                        |     |     |       |
| <b>Course ID:</b><br>PriF.KGP/PriF-DSSZ-003/22                                                                                                                                 |       |     |     | <b>Course title:</b><br>Dissertation 3 |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |       |     |     |                                        |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                    |       |     |     |                                        |     |     |       |
| <b>Recommended semester:</b> 3.                                                                                                                                                |       |     |     |                                        |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |       |     |     |                                        |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |       |     |     |                                        |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |       |     |     |                                        |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |       |     |     |                                        |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |       |     |     |                                        |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |       |     |     |                                        |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |       |     |     |                                        |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |       |     |     |                                        |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 5                                                                                                        |       |     |     |                                        |     |     |       |
| A                                                                                                                                                                              | ABS   | B   | C   | D                                      | E   | FX  | NEABS |
| 0,0                                                                                                                                                                            | 100,0 | 0,0 | 0,0 | 0,0                                    | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b>                                                                                                                                                              |       |     |     |                                        |     |     |       |
| <b>Last change:</b> 06.09.2022                                                                                                                                                 |       |     |     |                                        |     |     |       |
| <b>Approved by:</b>                                                                                                                                                            |       |     |     |                                        |     |     |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2022/2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                        |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |
| <b>Course ID:</b><br>PriF.KGP/PriF-DSSZ-004/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Course title:</b><br>Dissertation 4 |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |
| <b>Number of credits:</b> 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |
| <b>Recommended semester:</b> 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |
| <b>Educational level:</b> III.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |
| <b>Course requirements:</b><br>Conditions for passing the course:<br>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.                                                                                                                                                                                                                                                                                                                               |                                        |
| <b>Learning outcomes:</b><br>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.                                                                                                                                                                                                                               |                                        |
| <b>Class syllabus:</b><br>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.<br>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. |                                        |
| <b>Recommended literature:</b><br>Recommended literature:<br>No specifications regarding the character of a specific topic for the dissertation thesis.<br>Recommended literature is included in the doctoral student's individual study plan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |

|                                                                                                                                                                                        |       |     |     |     |     |     |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----|-----|-----|-----|-------|
| <b>Languages necessary to complete the course:</b><br>Required language for successful course completion:<br>Slovak language in combination with English (study literature in English) |       |     |     |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                          |       |     |     |     |     |     |       |
| <b>Past grade distribution</b><br>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   |
| <b>Lecturers:</b>                                                                                                                                                                      |       |     |     |     |     |     |       |
| <b>Last change:</b> 10.10.2022                                                                                                                                                         |       |     |     |     |     |     |       |
| <b>Approved by:</b>                                                                                                                                                                    |       |     |     |     |     |     |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2022/2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                        |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |
| <b>Course ID:</b><br>PriF.KGP/PriF-DSSZ-005/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Course title:</b><br>Dissertation 5 |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |
| <b>Number of credits:</b> 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        |
| <b>Recommended semester:</b> 5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |
| <b>Educational level:</b> III.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |
| <b>Course requirements:</b><br>Conditions for passing the course:<br>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.                                                                                                                                                                                                                                                                                                                               |                                        |
| <b>Learning outcomes:</b><br>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.                                                                                                                                                                                                                               |                                        |
| <b>Class syllabus:</b><br>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.<br>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. |                                        |
| <b>Recommended literature:</b><br>Recommended literature:<br>No specifications regarding the character of a specific topic for the dissertation thesis.<br>Recommended literature is included in the doctoral student's individual study plan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |



|                                                                                                                                                                                                                                                                    |       |     |     |     |     |     |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----|-----|-----|-----|-------|
| <b>Languages necessary to complete the course:</b><br>Recommended literature:<br>No specifications regarding the character of a specific topic for the dissertation thesis.<br>Recommended literature is included in the doctoral student's individual study plan. |       |     |     |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                                                                                                      |       |     |     |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 6                                                                                                                                                                                            |       |     |     |     |     |     |       |
| A                                                                                                                                                                                                                                                                  | ABS   | B   | C   | D   | E   | FX  | NEABS |
| 0,0                                                                                                                                                                                                                                                                | 100,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b>                                                                                                                                                                                                                                                  |       |     |     |     |     |     |       |
| <b>Last change:</b> 06.10.2022                                                                                                                                                                                                                                     |       |     |     |     |     |     |       |
| <b>Approved by:</b>                                                                                                                                                                                                                                                |       |     |     |     |     |     |       |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----|----------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                  |       |     |     |                                        |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                |       |     |     |                                        |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                      |       |     |     |                                        |     |     |       |
| <b>Course ID:</b><br>PriF.KGP/PriF-DSSZ-006/22                                                                                                                                   |       |     |     | <b>Course title:</b><br>Dissertation 6 |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:   per level/semester:</b><br><b>Form of the course:</b> on-site learning |       |     |     |                                        |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                      |       |     |     |                                        |     |     |       |
| <b>Recommended semester:</b> 6.                                                                                                                                                  |       |     |     |                                        |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                   |       |     |     |                                        |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                            |       |     |     |                                        |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                      |       |     |     |                                        |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                        |       |     |     |                                        |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                           |       |     |     |                                        |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                   |       |     |     |                                        |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                               |       |     |     |                                        |     |     |       |
| <b>Notes:</b>                                                                                                                                                                    |       |     |     |                                        |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 4                                                                                                          |       |     |     |                                        |     |     |       |
| A                                                                                                                                                                                | ABS   | B   | C   | D                                      | E   | FX  | NEABS |
| 0,0                                                                                                                                                                              | 100,0 | 0,0 | 0,0 | 0,0                                    | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b>                                                                                                                                                                |       |     |     |                                        |     |     |       |
| <b>Last change:</b>                                                                                                                                                              |       |     |     |                                        |     |     |       |
| <b>Approved by:</b>                                                                                                                                                              |       |     |     |                                        |     |     |       |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----|----------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                  |       |     |     |                                        |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                |       |     |     |                                        |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                      |       |     |     |                                        |     |     |       |
| <b>Course ID:</b><br>PriF.KGP/PriF-DSSZ-007/22                                                                                                                                   |       |     |     | <b>Course title:</b><br>Dissertation 7 |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:   per level/semester:</b><br><b>Form of the course:</b> on-site learning |       |     |     |                                        |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                      |       |     |     |                                        |     |     |       |
| <b>Recommended semester:</b> 7.                                                                                                                                                  |       |     |     |                                        |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                   |       |     |     |                                        |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                            |       |     |     |                                        |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                      |       |     |     |                                        |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                        |       |     |     |                                        |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                           |       |     |     |                                        |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                   |       |     |     |                                        |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                               |       |     |     |                                        |     |     |       |
| <b>Notes:</b>                                                                                                                                                                    |       |     |     |                                        |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 2                                                                                                          |       |     |     |                                        |     |     |       |
| A                                                                                                                                                                                | ABS   | B   | C   | D                                      | E   | FX  | NEABS |
| 0,0                                                                                                                                                                              | 100,0 | 0,0 | 0,0 | 0,0                                    | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b>                                                                                                                                                                |       |     |     |                                        |     |     |       |
| <b>Last change:</b>                                                                                                                                                              |       |     |     |                                        |     |     |       |
| <b>Approved by:</b>                                                                                                                                                              |       |     |     |                                        |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                  |     |     |     |                                        |     |     |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|----------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                  |     |     |     |                                        |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                |     |     |     |                                        |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                      |     |     |     |                                        |     |     |       |
| <b>Course ID:</b><br>PriF.KGP/PriF-DSSZ-024/22                                                                                                                                   |     |     |     | <b>Course title:</b><br>Dissertation 8 |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:   per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                        |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                      |     |     |     |                                        |     |     |       |
| <b>Recommended semester:</b> 8.                                                                                                                                                  |     |     |     |                                        |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                   |     |     |     |                                        |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                            |     |     |     |                                        |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                      |     |     |     |                                        |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                        |     |     |     |                                        |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                           |     |     |     |                                        |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                   |     |     |     |                                        |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                               |     |     |     |                                        |     |     |       |
| <b>Notes:</b>                                                                                                                                                                    |     |     |     |                                        |     |     |       |
| <b>Past grade distribution</b><br>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   |
| <b>Lecturers:</b>                                                                                                                                                                |     |     |     |                                        |     |     |       |
| <b>Last change:</b>                                                                                                                                                              |     |     |     |                                        |     |     |       |
| <b>Approved by:</b>                                                                                                                                                              |     |     |     |                                        |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                  |     |     |     |                                        |     |     |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|----------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                  |     |     |     |                                        |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                |     |     |     |                                        |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                      |     |     |     |                                        |     |     |       |
| <b>Course ID:</b><br>PriF.KGP/PriF-DSSZ-025/22                                                                                                                                   |     |     |     | <b>Course title:</b><br>Dissertation 9 |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:   per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                        |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                      |     |     |     |                                        |     |     |       |
| <b>Recommended semester:</b> 9.                                                                                                                                                  |     |     |     |                                        |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                   |     |     |     |                                        |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                            |     |     |     |                                        |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                      |     |     |     |                                        |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                        |     |     |     |                                        |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                           |     |     |     |                                        |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                   |     |     |     |                                        |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                               |     |     |     |                                        |     |     |       |
| <b>Notes:</b>                                                                                                                                                                    |     |     |     |                                        |     |     |       |
| <b>Past grade distribution</b><br>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   |
| <b>Lecturers:</b>                                                                                                                                                                |     |     |     |                                        |     |     |       |
| <b>Last change:</b>                                                                                                                                                              |     |     |     |                                        |     |     |       |
| <b>Approved by:</b>                                                                                                                                                              |     |     |     |                                        |     |     |       |

## STATE EXAM DESCRIPTION

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |
| <b>Course ID:</b><br>PriF.KGP/N-DGPA-400/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Course title:</b><br>Dissertation exam |
| <b>Number of credits:</b> 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                           |
| <b>Educational level:</b> III.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                           |
| <b>Course requirements:</b><br>Conditions for passing the course:<br>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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |
| <b>Learning outcomes:</b><br>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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                           |
| <b>Class syllabus:</b><br>Brief outline of the course:<br>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. |                                           |
| <b>State exam syllabus:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                           |
| <b>Recommended literature:</b><br>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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |

|                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------|
| Required language for successful course completion:<br>Slovak language in combination with English (study literature in English) |
| <b>Last change:</b> 19.10.2022                                                                                                   |
| <b>Approved by:</b>                                                                                                              |

## STATE EXAM DESCRIPTION

|                                                   |                                                       |
|---------------------------------------------------|-------------------------------------------------------|
| <b>Academic year:</b> 2022/2023                   |                                                       |
| <b>University:</b> Comenius University Bratislava |                                                       |
| <b>Faculty:</b> Faculty of Natural Sciences       |                                                       |
| <b>Course ID:</b><br>PriF.KGP/N-DSSZ-303/22       | <b>Course title:</b><br>Dissertation's Thesis Defence |
| <b>Number of credits:</b> 30                      |                                                       |
| <b>Educational level:</b> III.                    |                                                       |
| <b>State exam syllabus:</b>                       |                                                       |
| <b>Last change:</b> 06.09.2022                    |                                                       |
| <b>Approved by:</b>                               |                                                       |



## COURSE DESCRIPTION

|                                                                                                                                                                                  |                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                  |                                                 |
| <b>University:</b> Comenius University Bratislava                                                                                                                                |                                                 |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                      |                                                 |
| <b>Course ID:</b><br>PriF.KGP/N-DGPA-012/22                                                                                                                                      | <b>Course title:</b><br>Doctoral thesis seminar |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:   per level/semester:</b><br><b>Form of the course:</b> on-site learning |                                                 |
| <b>Number of credits:</b> 3                                                                                                                                                      |                                                 |
| <b>Recommended semester:</b>                                                                                                                                                     |                                                 |
| <b>Educational level:</b> III.                                                                                                                                                   |                                                 |
| <b>Prerequisites:</b>                                                                                                                                                            |                                                 |
| <b>Course requirements:</b>                                                                                                                                                      |                                                 |
| <b>Learning outcomes:</b>                                                                                                                                                        |                                                 |
| <b>Class syllabus:</b>                                                                                                                                                           |                                                 |
| <b>Recommended literature:</b>                                                                                                                                                   |                                                 |
| <b>Languages necessary to complete the course:</b>                                                                                                                               |                                                 |
| <b>Notes:</b>                                                                                                                                                                    |                                                 |
| <b>Past grade distribution</b><br>Total number of evaluated students: 2                                                                                                          |                                                 |
| ABS                                                                                                                                                                              | NEABS                                           |
| 100,0                                                                                                                                                                            | 0,0                                             |
| <b>Lecturers:</b> prof. RNDr. Daniela Reháková, CSc.                                                                                                                             |                                                 |
| <b>Last change:</b>                                                                                                                                                              |                                                 |
| <b>Approved by:</b>                                                                                                                                                              |                                                 |

## COURSE DESCRIPTION

|                                                                                                                                                                                  |       |     |     |                                                                   |     |     |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----|-------------------------------------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                  |       |     |     |                                                                   |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                |       |     |     |                                                                   |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                      |       |     |     |                                                                   |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-400/22                                                                                                                                          |       |     |     | <b>Course title:</b><br>Grant CU or Grant SAS or equivalent grant |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:   per level/semester:</b><br><b>Form of the course:</b> on-site learning |       |     |     |                                                                   |     |     |       |
| <b>Number of credits:</b> 12                                                                                                                                                     |       |     |     |                                                                   |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                     |       |     |     |                                                                   |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                   |       |     |     |                                                                   |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                            |       |     |     |                                                                   |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                      |       |     |     |                                                                   |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                        |       |     |     |                                                                   |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                           |       |     |     |                                                                   |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                   |       |     |     |                                                                   |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                               |       |     |     |                                                                   |     |     |       |
| <b>Notes:</b>                                                                                                                                                                    |       |     |     |                                                                   |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 103                                                                                                        |       |     |     |                                                                   |     |     |       |
| A                                                                                                                                                                                | ABS   | B   | C   | D                                                                 | E   | FX  | NEABS |
| 0,0                                                                                                                                                                              | 100,0 | 0,0 | 0,0 | 0,0                                                               | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b>                                                                                                                                                                |       |     |     |                                                                   |     |     |       |
| <b>Last change:</b>                                                                                                                                                              |       |     |     |                                                                   |     |     |       |
| <b>Approved by:</b>                                                                                                                                                              |       |     |     |                                                                   |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                |     |     |     |                                                                                |     |     |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|--------------------------------------------------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                |     |     |     |                                                                                |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                              |     |     |     |                                                                                |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                                                                |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-413/22                                                                                                                                        |     |     |     | <b>Course title:</b><br>Intellectual Property Rights Document (originally AGJ) |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                                                                |     |     |       |
| <b>Number of credits:</b> 10                                                                                                                                                   |     |     |     |                                                                                |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |     |                                                                                |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                                                                |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                                                                |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                                                                |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                                                                |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                                                                |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                                                                |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                                                                |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                                                                |     |     |       |
| <b>Past grade distribution</b><br>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   |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |     |                                                                                |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                                                                |     |     |       |
| <b>Approved by:</b>                                                                                                                                                            |     |     |     |                                                                                |     |     |       |

## COURSE DESCRIPTION

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                            |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                            |
| <b>Course ID:</b><br>PriF.KGP/N-DGPA-010/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Course title:</b><br>Micropalaeontology |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                                                                                                                              |                                            |
| <b>Type, volume, methods and workload of the student - additional information</b><br>Form of Study: composite<br>Number of contact hours: 2<br>per week: 2 per level/semester: 24 hodín                                                                                                                                                                                                                                                                                                                     |                                            |
| <b>Number of credits:</b> 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                            |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                            |
| <b>Educational level:</b> III.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                            |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                            |
| <b>Course requirements:</b><br>The course ends with an oral exam in the form of a discussion, where the examiner checks the overall education of the student in the subject area of research. The exam includes a written essay on a selected topic in micropaleontology.                                                                                                                                                                                                                                   |                                            |
| <b>Learning outcomes:</b><br>the student acquires skills in methods of micropaleontological research, their usability in other disciplines and application in practice. During the exercises he/she will gain experience in determining microfossils with emphasis on their morphological features and he/she is able to apply the acquired knowledge in the field of biostratigraphy, paleoecology and paleoclimatology. The student is able to independently solve problems using the acquired knowledge. |                                            |
| <b>Class syllabus:</b><br>The structure of the course will focus on 1. Definitions and orientations of micropaleontological research; field and laboratory procedures 2. Rhodophyta, Chlorophyta 3. Radiolaria 4. Foraminifera 5. Foraminifera in cuttings 6. Ostracoda 7. (Coccolithophyceae) Calcareous nanoplankton 8. Calpionellidae, 9. Pollen and spores 10. Cuticular and xylotomic analysis. 11. Small mammals; topic are focused on disertation goal of students                                   |                                            |
| <b>Recommended literature:</b><br>Józsa Š. and Hudáčková N., 2021: Základy mikrofaciálnej analýzy: dierkavce. Univerzita Komenského v Bratislave, 117 s.<br>Howard Armstrong, Martin Brasier 2009: Microfossils, John Wiley & Sons, 304.<br>Pacltová, B. 1990: Základy mikropaleobotaniky; Univerzita Karlova v Praze, Fakulta Přírodovědecká, Státní pedagogické nakladatelství, Praha; 286s.<br>Vladimír Pokorný, 1954: Základy zoologické mikropaleontologie, Praha, 650.                                |                                            |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                            |

|                                                              |       |
|--------------------------------------------------------------|-------|
| Slovak and English                                           |       |
| <b>Notes:</b>                                                |       |
| <b>Past grade distribution</b>                               |       |
| Total number of evaluated students: 1                        |       |
| ABS                                                          | NEABS |
| 100,0                                                        | 0,0   |
| <b>Lecturers:</b> prof. Mgr. Natália Hlavatá Hudáčková, PhD. |       |
| <b>Last change:</b> 29.09.2022                               |       |
| <b>Approved by:</b>                                          |       |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----|------------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                  |       |     |     |                                          |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                |       |     |     |                                          |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                      |       |     |     |                                          |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-508/22                                                                                                                                          |       |     |     | <b>Course title:</b><br>Other activities |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:   per level/semester:</b><br><b>Form of the course:</b> on-site learning |       |     |     |                                          |     |     |       |
| <b>Number of credits:</b> 1                                                                                                                                                      |       |     |     |                                          |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                     |       |     |     |                                          |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                   |       |     |     |                                          |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                            |       |     |     |                                          |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                      |       |     |     |                                          |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                        |       |     |     |                                          |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                           |       |     |     |                                          |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                   |       |     |     |                                          |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                               |       |     |     |                                          |     |     |       |
| <b>Notes:</b>                                                                                                                                                                    |       |     |     |                                          |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 332                                                                                                        |       |     |     |                                          |     |     |       |
| A                                                                                                                                                                                | ABS   | B   | C   | D                                        | E   | FX  | NEABS |
| 0,0                                                                                                                                                                              | 100,0 | 0,0 | 0,0 | 0,0                                      | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b>                                                                                                                                                                |       |     |     |                                          |     |     |       |
| <b>Last change:</b>                                                                                                                                                              |       |     |     |                                          |     |     |       |
| <b>Approved by:</b>                                                                                                                                                              |       |     |     |                                          |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                  |       |     |     |                                                                                          |     |     |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----|------------------------------------------------------------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                  |       |     |     |                                                                                          |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                |       |     |     |                                                                                          |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                      |       |     |     |                                                                                          |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-501/22                                                                                                                                          |       |     |     | <b>Course title:</b><br>P1 Pedagogical output as a whole (originally ACA, ACB, BCI, BCB) |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:   per level/semester:</b><br><b>Form of the course:</b> on-site learning |       |     |     |                                                                                          |     |     |       |
| <b>Number of credits:</b> 20                                                                                                                                                     |       |     |     |                                                                                          |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                     |       |     |     |                                                                                          |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                   |       |     |     |                                                                                          |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                            |       |     |     |                                                                                          |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                      |       |     |     |                                                                                          |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                        |       |     |     |                                                                                          |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                           |       |     |     |                                                                                          |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                   |       |     |     |                                                                                          |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                               |       |     |     |                                                                                          |     |     |       |
| <b>Notes:</b>                                                                                                                                                                    |       |     |     |                                                                                          |     |     |       |
| <b>Past grade distribution</b><br>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   |
| <b>Lecturers:</b>                                                                                                                                                                |       |     |     |                                                                                          |     |     |       |
| <b>Last change:</b>                                                                                                                                                              |       |     |     |                                                                                          |     |     |       |
| <b>Approved by:</b>                                                                                                                                                              |       |     |     |                                                                                          |     |     |       |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|--------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                  |     |     |                                                                          |     |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                |     |     |                                                                          |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                      |     |     |                                                                          |     |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-503/22                                                                                                                                          |     |     | <b>Course title:</b><br>P2 Pedagogical output as a part (originally BCK) |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:   per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                          |     |     |     |       |
| <b>Number of credits:</b> 10                                                                                                                                                     |     |     |                                                                          |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                     |     |     |                                                                          |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                   |     |     |                                                                          |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                            |     |     |                                                                          |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                      |     |     |                                                                          |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                        |     |     |                                                                          |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                           |     |     |                                                                          |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                   |     |     |                                                                          |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                               |     |     |                                                                          |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                    |     |     |                                                                          |     |     |     |       |
| <b>Past grade distribution</b><br>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   |
| <b>Lecturers:</b>                                                                                                                                                                |     |     |                                                                          |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                              |     |     |                                                                          |     |     |     |       |
| <b>Approved by:</b>                                                                                                                                                              |     |     |                                                                          |     |     |     |       |



## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----------------------------------------------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                  |     |     |     |                                                                             |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                |     |     |     |                                                                             |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                      |     |     |     |                                                                             |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-502/22                                                                                                                                          |     |     |     | <b>Course title:</b><br>P2 Pedagogical output as part (originally ACC, ACD) |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:   per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                                                             |     |     |       |
| <b>Number of credits:</b> 15                                                                                                                                                     |     |     |     |                                                                             |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                     |     |     |     |                                                                             |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                   |     |     |     |                                                                             |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                            |     |     |     |                                                                             |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                      |     |     |     |                                                                             |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                        |     |     |     |                                                                             |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                           |     |     |     |                                                                             |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                   |     |     |     |                                                                             |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                               |     |     |     |                                                                             |     |     |       |
| <b>Notes:</b>                                                                                                                                                                    |     |     |     |                                                                             |     |     |       |
| <b>Past grade distribution</b><br>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   |
| <b>Lecturers:</b>                                                                                                                                                                |     |     |     |                                                                             |     |     |       |
| <b>Last change:</b>                                                                                                                                                              |     |     |     |                                                                             |     |     |       |
| <b>Approved by:</b>                                                                                                                                                              |     |     |     |                                                                             |     |     |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2022/2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                       |
| <b>Course ID:</b><br>PriF.KGP/N-DGPA-011/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Course title:</b><br>Palaeoecology |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                                                                                                                                                                                           |                                       |
| <b>Type, volume, methods and workload of the student - additional information</b><br>Form of Study: composite<br>Number of contact hours: 2<br>per week: 2 per level/semester: 24 hours                                                                                                                                                                                                                                                                                                                                                                                  |                                       |
| <b>Number of credits:</b> 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                       |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                       |
| <b>Educational level:</b> III.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                       |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                       |
| <b>Course requirements:</b><br>The course ends with an oral exam in the form of a discussion, where the examiner checks the overall education of the student in the subject area of research.                                                                                                                                                                                                                                                                                                                                                                            |                                       |
| <b>Learning outcomes:</b><br>Upon successful completion of this course, students will acquire an overview of the evolution of ecosystems and relevant factors and indicators of marine and terrestrial palaeoenvironments. They will be able to interpret the respective indicators and based on them also to reconstruct the palaeoenvironments reflected in studied sedimentary sequences.                                                                                                                                                                             |                                       |
| <b>Class syllabus:</b><br>Definition and basic principles of palaeoecology. Interactions between organic and inorganic components of environments. Adaptation of organisms. Populations. Biocoenoses. Trophic relations. Marine ecosystems. Brackish ecosystems. Terrestrial ecosystems. Trace fossils and their interpretation. Indicators of environmental changes. Taphonomy. Evolution of global ecosystem. Palaeobiogeography.                                                                                                                                      |                                       |
| <b>Recommended literature:</b><br>Boucot, A.J. (1981): Principles of Benthic Marine Paleoecology: Academic Press, New York, 463 p.<br>Dodd, J.R., and R.J. Stanton Jr. (1990): Paleoecology: Concepts and Applications: John Wiley and Sons, New York, 502 p.<br>P.J. Brenchley and D.A.T. Harper, (1997): Palaeoecology: Ecosystems, Environments, and Evolution, Stanley Thornes, Ltd., London, 230 p.<br>Pokorný, V. a kol. (1992): Všeobecná paleontologie. - Univerzita Karlova.<br>Kubovčík, V. (2017). Paleoekológia. Technická Univerzita, Zvolen, 226 pp.<br>.. |                                       |

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|--------------------------------------------------------------------------|-------|
| <b>Languages necessary to complete the course:</b><br>Slovak and English |       |
| <b>Notes:</b>                                                            |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1  |       |
| ABS                                                                      | NEABS |
| 100,0                                                                    | 0,0   |
| <b>Lecturers:</b> doc. Mgr. Matúš Hyžný, PhD.                            |       |
| <b>Last change:</b> 12.07.2023                                           |       |
| <b>Approved by:</b>                                                      |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2022/2023                                                                                                                                                                                                                                               |                                       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                             |                                       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                   |                                       |
| <b>Course ID:</b><br>PriF.KGP/N-DGPA-007/22                                                                                                                                                                                                                                   | <b>Course title:</b><br>Palaeontology |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                                                                                |                                       |
| <b>Type, volume, methods and workload of the student - additional information</b><br>Type, scope and method of educational activities: combined<br>Form of Study: individual study and consultation                                                                           |                                       |
| <b>Number of credits:</b> 5                                                                                                                                                                                                                                                   |                                       |
| <b>Recommended semester:</b> 1.                                                                                                                                                                                                                                               |                                       |
| <b>Educational level:</b> III.                                                                                                                                                                                                                                                |                                       |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                         |                                       |
| <b>Course requirements:</b><br>The course is completed by examining the knowledge of paleontology.                                                                                                                                                                            |                                       |
| <b>Learning outcomes:</b><br>The student will gain an overview of paleontological research methods and new trends in paleontology.                                                                                                                                            |                                       |
| <b>Class syllabus:</b><br>Definitions, basic terminology and overview of paleozoological and paleobotanical research methods; overview of important paleontological publications in paleozoology, paleobotany in the taxonomic, paleoecological, paleoclimatological context. |                                       |
| <b>Recommended literature:</b><br>Current paleontological studies and journal and monographic publications, as recommended by the teacher.                                                                                                                                    |                                       |
| <b>Languages necessary to complete the course:</b><br>Slovak and English                                                                                                                                                                                                      |                                       |
| <b>Notes:</b>                                                                                                                                                                                                                                                                 |                                       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 3                                                                                                                                                                                                       |                                       |
| ABS                                                                                                                                                                                                                                                                           | NEABS                                 |
| 100,0                                                                                                                                                                                                                                                                         | 0,0                                   |
| <b>Lecturers:</b> doc. RNDr. Marianna Kováčová, PhD.                                                                                                                                                                                                                          |                                       |
| <b>Last change:</b> 18.09.2022                                                                                                                                                                                                                                                |                                       |
| <b>Approved by:</b>                                                                                                                                                                                                                                                           |                                       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2022/2023                                                                                                                                                |       |     |     |                                                                                                          |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                              |       |     |     |                                                                                                          |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |       |     |     |                                                                                                          |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-507/22                                                                                                                                        |       |     |     | <b>Course title:</b><br>Pedagogical activity (4 hours/WS and 4 hours/SS) or alternative pedagogical work |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |       |     |     |                                                                                                          |     |     |       |
| <b>Number of credits:</b> 2                                                                                                                                                    |       |     |     |                                                                                                          |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |       |     |     |                                                                                                          |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |       |     |     |                                                                                                          |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |       |     |     |                                                                                                          |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |       |     |     |                                                                                                          |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |       |     |     |                                                                                                          |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |       |     |     |                                                                                                          |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |       |     |     |                                                                                                          |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |       |     |     |                                                                                                          |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |       |     |     |                                                                                                          |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 367                                                                                                      |       |     |     |                                                                                                          |     |     |       |
| A                                                                                                                                                                              | ABS   | B   | C   | D                                                                                                        | E   | FX  | NEABS |
| 0,0                                                                                                                                                                            | 100,0 | 0,0 | 0,0 | 0,0                                                                                                      | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b>                                                                                                                                                              |       |     |     |                                                                                                          |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |       |     |     |                                                                                                          |     |     |       |
| <b>Approved by:</b>                                                                                                                                                            |       |     |     |                                                                                                          |     |     |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2022/2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                |
| <b>Course ID:</b><br>PriF.KJ/N-DSSZ-026/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Course title:</b><br>Professional English 1 |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                |
| <b>Number of credits:</b> 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                |
| <b>Recommended semester:</b> 1., 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                |
| <b>Educational level:</b> III.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                |
| <b>Course requirements:</b><br>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.                                                                                                                          |                                                |
| <b>Learning outcomes:</b><br>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.                                                                                                                                                                                                                                                                                                                                      |                                                |
| <b>Class syllabus:</b><br>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. |                                                |
| <b>Recommended literature:</b><br>Armer, T.: Cambridge English for Scientists<br>CD ROM Writing Professional English<br>Team of authors: Test your Listening Skills: A Handbook for Science Doctoral students<br>Team of authors: Test your Reading Skills: A Handbook for Science Doctoral students                                                                                                                                                                                                                                                                                                  |                                                |
| <b>Languages necessary to complete the course:</b><br>English                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                |
| <b>Notes:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                |

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| <b>Past grade distribution</b>                                     |       |     |     |     |     |     |       |
| Total number of evaluated students: 179                            |       |     |     |     |     |     |       |
| A                                                                  | ABS   | B   | C   | D   | E   | FX  | NEABS |
| 0,0                                                                | 100,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b> Mgr. Aneta Barnes, RNDr. Tatiana Slov kov , PhD. |       |     |     |     |     |     |       |
| <b>Last change:</b> 03.10.2022                                     |       |     |     |     |     |     |       |
| <b>Approved by:</b>                                                |       |     |     |     |     |     |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2022/2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                |
| <b>Course ID:</b><br>PriF.KJ/N-DSSZ-027/22                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Course title:</b><br>Professional English 2 |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                                                                                                                    |                                                |
| <b>Number of credits:</b> 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                |
| <b>Educational level:</b> III.                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                |
| <b>Course requirements:</b><br>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 |                                                |
| <b>Learning outcomes:</b><br>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.                                                                                 |                                                |
| <b>Class syllabus:</b><br>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.  |                                                |
| <b>Recommended literature:</b><br>Armer, T.: Cambridge English for Scientists<br>CD ROM Writing Professional English<br>Team of authors: Test your Listening Skills: A Handbook for Science Doctoral students<br>Team of authors: Test your Reading Skills: A Handbook for Science Doctoral students                                                                                                                                                                                              |                                                |
| <b>Languages necessary to complete the course:</b><br>English                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                |
| <b>Notes:</b><br>B1 level in English is required in order to pass this course.<br>Seminars are held in summer semester. Number of students in one course is limited to twenty.                                                                                                                                                                                                                                                                                                                    |                                                |



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|---------------------------------------------------|-------|
| Students can choose from four offered time slots. |       |
| <b>Past grade distribution</b>                    |       |
| Total number of evaluated students: 43            |       |
| ABS                                               | NEABS |
| 100,0                                             | 0,0   |
| <b>Lecturers:</b> Mgr. Aneta Barnes               |       |
| <b>Last change:</b> 03.10.2022                    |       |
| <b>Approved by:</b>                               |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                  |       |     |     |                                                                                   |     |     |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----|-----------------------------------------------------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                  |       |     |     |                                                                                   |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                |       |     |     |                                                                                   |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                      |       |     |     |                                                                                   |     |     |       |
| <b>Course ID:</b><br>PriF.KDPP/N-DSSZ-500/22                                                                                                                                     |       |     |     | <b>Course title:</b><br>Selected topics from university pedagogy for non-teachers |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:   per level/semester:</b><br><b>Form of the course:</b> on-site learning |       |     |     |                                                                                   |     |     |       |
| <b>Number of credits:</b> 3                                                                                                                                                      |       |     |     |                                                                                   |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                     |       |     |     |                                                                                   |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                   |       |     |     |                                                                                   |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                            |       |     |     |                                                                                   |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                      |       |     |     |                                                                                   |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                        |       |     |     |                                                                                   |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                           |       |     |     |                                                                                   |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                   |       |     |     |                                                                                   |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                               |       |     |     |                                                                                   |     |     |       |
| <b>Notes:</b>                                                                                                                                                                    |       |     |     |                                                                                   |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 12                                                                                                         |       |     |     |                                                                                   |     |     |       |
| A                                                                                                                                                                                | ABS   | B   | C   | D                                                                                 | E   | FX  | NEABS |
| 0,0                                                                                                                                                                              | 91,67 | 0,0 | 0,0 | 0,0                                                                               | 0,0 | 0,0 | 8,33  |
| <b>Lecturers:</b> RNDr. Jana Ciceková, PhD., doc. RNDr. PaedDr. Zuzana Haláková, PhD., PhDr.<br>ThLic. Peter Ikhardt, PhD.                                                       |       |     |     |                                                                                   |     |     |       |
| <b>Last change:</b> 30.09.2022                                                                                                                                                   |       |     |     |                                                                                   |     |     |       |
| <b>Approved by:</b>                                                                                                                                                              |       |     |     |                                                                                   |     |     |       |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                |
| <b>Course ID:</b><br>PriF.KJ/N-DSSZ-022/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>Course title:</b><br>Slovak for Foreign Doctoral Students 1 |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                |
| <b>Number of credits:</b> 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                |
| <b>Recommended semester:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                |
| <b>Educational level:</b> III.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                |
| <b>Course requirements:</b><br>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.<br>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.<br>Scale of assessment (preliminary/final): Credits will not be awarded to students who receive less than 60% on the final examination. |                                                                |
| <b>Learning outcomes:</b><br>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.<br>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.                                                                                                                                           |                                                                |
| <b>Class syllabus:</b><br>Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A1 (Lekcia: 1-5). UK v Bratislave, 2012.<br>Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A1+A2, cvičebnica<br>Audio program: <a href="https://uniba.sk/krizom-krazom">https://uniba.sk/krizom-krazom</a><br>Worksheets, website: <a href="https://slovake.eu/sk">https://slovake.eu/sk</a>                                                                                                                                                                                                                                                                                                        |                                                                |
| <b>Recommended literature:</b><br>Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A1 (Lekcia: 1-5). UK v Bratislave, 2012.<br>Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A1+A2, cvičebnica<br>Audio program: <a href="https://uniba.sk/krizom-krazom">https://uniba.sk/krizom-krazom</a><br>Worksheets, website: <a href="https://slovake.eu/sk">https://slovake.eu/sk</a>                                                                                                                                                                                                                                                                                                |                                                                |

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|-----------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----|-----|-----|-----|-------|
| <b>Languages necessary to complete the course:</b><br>Slovak in combination with English (the study literature is in both Slovak and English) |       |     |     |     |     |     |       |
| <b>Notes:</b><br>It is possible to register for the course just once. Students may begin in either the Summer or Winter semester.             |       |     |     |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 40                                                                      |       |     |     |     |     |     |       |
| A                                                                                                                                             | ABS   | B   | C   | D   | E   | FX  | NEABS |
| 0,0                                                                                                                                           | 100,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b> Mgr. Karin Rózsová Wolfová                                                                                                  |       |     |     |     |     |     |       |
| <b>Last change:</b> 28.09.2022                                                                                                                |       |     |     |     |     |     |       |
| <b>Approved by:</b>                                                                                                                           |       |     |     |     |     |     |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2022/2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                |
| <b>Course ID:</b><br>PriF.KJ/N-DSSZ-023/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Course title:</b><br>Slovak for Foreign Doctoral Students 2 |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                |
| <b>Number of credits:</b> 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                |
| <b>Recommended semester:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                |
| <b>Educational level:</b> III.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                |
| <b>Course requirements:</b><br>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.<br>Number of credits: 3 credits<br>Recommended semester/trimester of study: from 1st to 8th semester<br>Level of study: third<br>Subject conditions: Slovak for Foreign Doctoral Students 1<br>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.<br>Scale of assessment (preliminary/final): Credits will not be awarded to students who receive less than 60% on the final examination. |                                                                |
| <b>Learning outcomes:</b><br>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.                                                                                                                                                                                                                                                                                                                                                                     |                                                                |
| <b>Class syllabus:</b><br>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.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                |
| <b>Recommended literature:</b><br>Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A1<br>Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A1+A2, workbook<br>Audio program: <a href="https://uniba.sk/krizom-krazom">https://uniba.sk/krizom-krazom</a><br>Worksheets are prepared by the course instructor.<br>Portal: <a href="https://slovak.eunet.sk">https://slovak.eunet.sk</a>                                                                                                                                                                                                                                                                                                                                              |                                                                |
| <b>Languages necessary to complete the course:</b><br>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: 27

| 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:**

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                |
| <b>Course ID:</b><br>PriF.KJ/N-DSSZ-024/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Course title:</b><br>Slovak for Foreign Doctoral Students 3 |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                |
| <b>Number of credits:</b> 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                |
| <b>Recommended semester:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                |
| <b>Educational level:</b> III.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                |
| <b>Course requirements:</b><br>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.<br>Number of credits: 3 credits<br>Recommended semester/trimester of study: from 1st to 8th semester<br>Level of study: third<br>Subject conditions: Slovak for Foreign Doctoral Students 2<br>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.<br>Scale of assessment (preliminary/final): Credits will not be awarded to students who receive less than 60% on the final examination. |                                                                |
| <b>Learning outcomes:</b><br>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                                                                                                                                                                                                                                                                                                                                                                      |                                                                |
| <b>Class syllabus:</b><br>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.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                |
| <b>Recommended literature:</b><br>Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A1, A2<br>Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A1+A2, workbook<br>Audio program: <a href="https://uniba.sk/krizom-krazom">https://uniba.sk/krizom-krazom</a><br>Worksheets are prepared by the course instructor.<br>Portal: <a href="https://slovakie.eu/sk">https://slovakie.eu/sk</a>                                                                                                                                                                                                                                                                                                                                            |                                                                |
| <b>Languages necessary to complete the course:</b><br>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: 27

| 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:**



## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                |
| <b>Course ID:</b><br>PriF.KJ/N-DSSZ-028/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Course title:</b><br>Slovak for Foreign Doctoral Students 4 |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                                                                                                                                                              |                                                                |
| <b>Number of credits:</b> 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                |
| <b>Recommended semester:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                |
| <b>Educational level:</b> III.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                |
| <b>Course requirements:</b><br>Grading (Assessment/Evaluation):<br>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.                                                                                                                                                             |                                                                |
| <b>Learning outcomes:</b><br>Objectives and outcomes:<br>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.<br>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. |                                                                |
| <b>Class syllabus:</b><br>Brief outline of the course:<br>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.                                                                                   |                                                                |
| <b>Recommended literature:</b><br>Recommended literature:<br>Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A1. UK v Bratislave, 2012.<br>Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A2. (Lekcia 1-4). UK v Bratislave, 2012.<br>Kamenárová, R. a kol.: Krížom-krážom, Slovenčina A1+A2, cvičebnica<br>Audio program: <a href="https://uniba.sk/krizom-krazom">https://uniba.sk/krizom-krazom</a><br>Worksheets, website: <a href="https://slovake.eu/sk">https://slovake.eu/sk</a>                                                 |                                                                |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                |

|                                                                                                     |       |     |     |     |     |     |       |
|-----------------------------------------------------------------------------------------------------|-------|-----|-----|-----|-----|-----|-------|
| Language of instruction:<br>Slovak in combination with English (the study literature is in Slovak). |       |     |     |     |     |     |       |
| <b>Notes:</b>                                                                                       |       |     |     |     |     |     |       |
| <b>Past grade distribution</b><br>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   |
| <b>Lecturers:</b> Mgr. Karin Rózsová Wolfová                                                        |       |     |     |     |     |     |       |
| <b>Last change:</b> 18.10.2022                                                                      |       |     |     |     |     |     |       |
| <b>Approved by:</b>                                                                                 |       |     |     |     |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                |       |     |     |                                                            |     |     |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----|------------------------------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                |       |     |     |                                                            |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                              |       |     |     |                                                            |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |       |     |     |                                                            |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-506/22                                                                                                                                        |       |     |     | <b>Course title:</b><br>Supervisor of the SSC contribution |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |       |     |     |                                                            |     |     |       |
| <b>Number of credits:</b> 4                                                                                                                                                    |       |     |     |                                                            |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |       |     |     |                                                            |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |       |     |     |                                                            |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |       |     |     |                                                            |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |       |     |     |                                                            |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |       |     |     |                                                            |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |       |     |     |                                                            |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |       |     |     |                                                            |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |       |     |     |                                                            |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |       |     |     |                                                            |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 6                                                                                                        |       |     |     |                                                            |     |     |       |
| A                                                                                                                                                                              | ABS   | B   | C   | D                                                          | E   | FX  | NEABS |
| 0,0                                                                                                                                                                            | 100,0 | 0,0 | 0,0 | 0,0                                                        | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b>                                                                                                                                                              |       |     |     |                                                            |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |       |     |     |                                                            |     |     |       |
| <b>Approved by:</b>                                                                                                                                                            |       |     |     |                                                            |     |     |       |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                                                                                                                                                                                                 |                                                |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                               |                                                |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                     |                                                |
| <b>Course ID:</b><br>PriF.KGP/N-DGPA-009/22                                                                                                                                                                                                                                                                                                                     | <b>Course title:</b><br>Taxonomy and phylogeny |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                                                                                                                                                                  |                                                |
| <b>Type, volume, methods and workload of the student - additional information</b><br>Form of Study: composite<br>Number of contact hours: 2<br>per week: 2 per level/semester: 24 hours                                                                                                                                                                         |                                                |
| <b>Number of credits:</b> 5                                                                                                                                                                                                                                                                                                                                     |                                                |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                                                                                                                                                                 |                                                |
| <b>Educational level:</b> III.                                                                                                                                                                                                                                                                                                                                  |                                                |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                           |                                                |
| <b>Course requirements:</b><br>The course ends with an oral exam in the form of a discussion, where the examiner checks the overall education of the student in the subject area of research.                                                                                                                                                                   |                                                |
| <b>Learning outcomes:</b><br>Upon successful completion of this course, students will gain knowledge and overview of taxonomic research and become familiar with the principles and problems of phylogeny reconstruction                                                                                                                                        |                                                |
| <b>Class syllabus:</b><br>Systematics. Basic criteria of taxonomy. Taxa. Nomenclature. Homonymy. Nomenclature types. Rules of nomenclature. Phylogeny reconstruction. Maximum parsimony and maximum likelihood. Evolutionary models. Bayesian analysis. Testing of hypotheses and comparison of phylogenetic trees. Molecular characters vs morphological ones. |                                                |
| <b>Recommended literature:</b><br>Macholán, M., 2014: Základy fylogenetické analýzy. Muni Press, Brno, 290.<br>Bainbridge, D., 2020: How Zoologists Organize Things: The Art of Classification. Frances Lincoln publ., 256.<br>International code of nomenclature (on-line)                                                                                     |                                                |
| <b>Languages necessary to complete the course:</b><br>Slovak and English                                                                                                                                                                                                                                                                                        |                                                |
| <b>Notes:</b>                                                                                                                                                                                                                                                                                                                                                   |                                                |

|                                                 |       |
|-------------------------------------------------|-------|
| <b>Past grade distribution</b>                  |       |
| Total number of evaluated students: 1           |       |
| ABS                                             | NEABS |
| 100,0                                           | 0,0   |
| <b>Lecturers:</b> prof. Mgr. Martin Sabol, PhD. |       |
| <b>Last change:</b> 18.09.2022                  |       |
| <b>Approved by:</b>                             |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                |     |     |                                                                                                                                     |     |     |     |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                |     |     |                                                                                                                                     |     |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                              |     |     |                                                                                                                                     |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                                                                     |     |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-404/22                                                                                                                                        |     |     | <b>Course title:</b><br>V1 Scientific output as a whole - ESB monograph (originally AAA, ABA), individual authorship less than 3 AH |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                                                                                     |     |     |     |       |
| <b>Number of credits:</b> 20                                                                                                                                                   |     |     |                                                                                                                                     |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                                                                     |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                                                                     |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                                                                     |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                                                                     |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                                                                     |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                                                                     |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                                                                     |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                                                                     |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                                                                     |     |     |     |       |
| <b>Past grade distribution</b><br>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   |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |                                                                                                                                     |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                                                                     |     |     |     |       |
| <b>Approved by:</b>                                                                                                                                                            |     |     |                                                                                                                                     |     |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                           |     |     |                                                                                                                                        |     |     |     |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|----------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                           |     |     |                                                                                                                                        |     |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                         |     |     |                                                                                                                                        |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                               |     |     |                                                                                                                                        |     |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-401/22                                                                                                                                   |     |     | <b>Course title:</b><br>V1 Scientific output as a whole – ESB monograph (originally AAA, ABA), individual authorship share $\geq 3$ AH |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br>per week:   per level/semester:<br><b>Form of the course:</b> on-site learning |     |     |                                                                                                                                        |     |     |     |       |
| <b>Number of credits:</b> 30                                                                                                                                              |     |     |                                                                                                                                        |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                              |     |     |                                                                                                                                        |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                            |     |     |                                                                                                                                        |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                     |     |     |                                                                                                                                        |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                               |     |     |                                                                                                                                        |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                 |     |     |                                                                                                                                        |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                    |     |     |                                                                                                                                        |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                            |     |     |                                                                                                                                        |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                        |     |     |                                                                                                                                        |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                             |     |     |                                                                                                                                        |     |     |     |       |
| <b>Past grade distribution</b><br>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   |
| <b>Lecturers:</b>                                                                                                                                                         |     |     |                                                                                                                                        |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                       |     |     |                                                                                                                                        |     |     |     |       |
| <b>Approved by:</b>                                                                                                                                                       |     |     |                                                                                                                                        |     |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                  |       |     |                                                                                                                                                          |     |     |     |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                  |       |     |                                                                                                                                                          |     |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                |       |     |                                                                                                                                                          |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                      |       |     |                                                                                                                                                          |     |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-405/22                                                                                                                                          |       |     | <b>Course title:</b><br>V2 Scientific output as part - study in ESB or collection<br>(originally AAB, ABA, ABB), individual authorship less than 3<br>AH |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:   per level/semester:</b><br><b>Form of the course:</b> on-site learning |       |     |                                                                                                                                                          |     |     |     |       |
| <b>Number of credits:</b> 20                                                                                                                                                     |       |     |                                                                                                                                                          |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                     |       |     |                                                                                                                                                          |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                   |       |     |                                                                                                                                                          |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                            |       |     |                                                                                                                                                          |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                      |       |     |                                                                                                                                                          |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                        |       |     |                                                                                                                                                          |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                           |       |     |                                                                                                                                                          |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                   |       |     |                                                                                                                                                          |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                               |       |     |                                                                                                                                                          |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                    |       |     |                                                                                                                                                          |     |     |     |       |
| <b>Past grade distribution</b><br>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   |
| <b>Lecturers:</b>                                                                                                                                                                |       |     |                                                                                                                                                          |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                              |       |     |                                                                                                                                                          |     |     |     |       |
| <b>Approved by:</b>                                                                                                                                                              |       |     |                                                                                                                                                          |     |     |     |       |



## COURSE DESCRIPTION

|                                                                                                                                                                                |       |                                                                                                                                                          |     |     |     |     |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                |       |                                                                                                                                                          |     |     |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                              |       |                                                                                                                                                          |     |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |       |                                                                                                                                                          |     |     |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-402/22                                                                                                                                        |       | <b>Course title:</b><br>V2 Scientific output as part - study in ESB or collection<br>(originally AAB, ABA, ABB), individual authorship share $\geq 3$ AH |     |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |       |                                                                                                                                                          |     |     |     |     |       |
| <b>Number of credits:</b> 30                                                                                                                                                   |       |                                                                                                                                                          |     |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |       |                                                                                                                                                          |     |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |       |                                                                                                                                                          |     |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |       |                                                                                                                                                          |     |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |       |                                                                                                                                                          |     |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |       |                                                                                                                                                          |     |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |       |                                                                                                                                                          |     |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |       |                                                                                                                                                          |     |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |       |                                                                                                                                                          |     |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |       |                                                                                                                                                          |     |     |     |     |       |
| <b>Past grade distribution</b><br>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   |
| <b>Lecturers:</b>                                                                                                                                                              |       |                                                                                                                                                          |     |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |       |                                                                                                                                                          |     |     |     |     |       |
| <b>Approved by:</b>                                                                                                                                                            |       |                                                                                                                                                          |     |     |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                  |       |                                                                                                                                                                          |     |     |     |     |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                  |       |                                                                                                                                                                          |     |     |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                |       |                                                                                                                                                                          |     |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                      |       |                                                                                                                                                                          |     |     |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-411/22                                                                                                                                          |       | <b>Course title:</b><br>V2 Scientific output as part of ESB, collection - contribution in peer reviewed scientific collection, monograph (originally AEC, AFA, AFC, AED) |     |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:   per level/semester:</b><br><b>Form of the course:</b> on-site learning |       |                                                                                                                                                                          |     |     |     |     |       |
| <b>Number of credits:</b> 6                                                                                                                                                      |       |                                                                                                                                                                          |     |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                     |       |                                                                                                                                                                          |     |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                   |       |                                                                                                                                                                          |     |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                            |       |                                                                                                                                                                          |     |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                      |       |                                                                                                                                                                          |     |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                        |       |                                                                                                                                                                          |     |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                           |       |                                                                                                                                                                          |     |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                   |       |                                                                                                                                                                          |     |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                               |       |                                                                                                                                                                          |     |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                    |       |                                                                                                                                                                          |     |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 202                                                                                                        |       |                                                                                                                                                                          |     |     |     |     |       |
| A                                                                                                                                                                                | ABS   | B                                                                                                                                                                        | C   | D   | E   | FX  | NEABS |
| 0,0                                                                                                                                                                              | 100,0 | 0,0                                                                                                                                                                      | 0,0 | 0,0 | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b>                                                                                                                                                                |       |                                                                                                                                                                          |     |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                              |       |                                                                                                                                                                          |     |     |     |     |       |
| <b>Approved by:</b>                                                                                                                                                              |       |                                                                                                                                                                          |     |     |     |     |       |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|----------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                |     |     |                                                                                                                                              |     |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                              |     |     |                                                                                                                                              |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                                                                              |     |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-406/22                                                                                                                                        |     |     | <b>Course title:</b><br>V3 Scientific output as a part - study in a journal (originally AAB, ABA, ABB), individual authorship less than 3 AH |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                                                                                              |     |     |     |       |
| <b>Number of credits:</b> 20                                                                                                                                                   |     |     |                                                                                                                                              |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                                                                              |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                                                                              |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                                                                              |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                                                                              |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                                                                              |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                                                                              |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                                                                              |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                                                                              |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                                                                              |     |     |     |       |
| <b>Past grade distribution</b><br>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   |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |                                                                                                                                              |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                                                                              |     |     |     |       |
| <b>Approved by:</b>                                                                                                                                                            |     |     |                                                                                                                                              |     |     |     |       |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                |     |     |                                                                                                                                           |     |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                              |     |     |                                                                                                                                           |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                                                                           |     |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-403/22                                                                                                                                        |     |     | <b>Course title:</b><br>V3 Scientific output as a part - study in a journal (originally AAB, ABA, ABB), individual authorship $\geq 3$ AH |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                                                                                           |     |     |     |       |
| <b>Number of credits:</b> 30                                                                                                                                                   |     |     |                                                                                                                                           |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                                                                           |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                                                                           |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                                                                           |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                                                                           |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                                                                           |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                                                                           |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                                                                           |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                                                                           |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                                                                           |     |     |     |       |
| <b>Past grade distribution</b><br>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   |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |                                                                                                                                           |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                                                                           |     |     |     |       |
| <b>Approved by:</b>                                                                                                                                                            |     |     |                                                                                                                                           |     |     |     |       |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|----------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                   |       |     |                                                                                                                |     |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                 |       |     |                                                                                                                |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                       |       |     |                                                                                                                |     |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-410/22                                                                                                                                           |       |     | <b>Course title:</b><br>V3 Scientific output in a journal outside the index databases<br>(originally ADE, ADF) |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:    per level/semester:</b><br><b>Form of the course:</b> on-site learning |       |     |                                                                                                                |     |     |     |       |
| <b>Number of credits:</b> 12                                                                                                                                                      |       |     |                                                                                                                |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                      |       |     |                                                                                                                |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                    |       |     |                                                                                                                |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                             |       |     |                                                                                                                |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                       |       |     |                                                                                                                |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                         |       |     |                                                                                                                |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                            |       |     |                                                                                                                |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                    |       |     |                                                                                                                |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                |       |     |                                                                                                                |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                     |       |     |                                                                                                                |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 39                                                                                                          |       |     |                                                                                                                |     |     |     |       |
| A                                                                                                                                                                                 | ABS   | B   | C                                                                                                              | D   | E   | FX  | NEABS |
| 0,0                                                                                                                                                                               | 100,0 | 0,0 | 0,0                                                                                                            | 0,0 | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b>                                                                                                                                                                 |       |     |                                                                                                                |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                               |       |     |                                                                                                                |     |     |     |       |
| <b>Approved by:</b>                                                                                                                                                               |       |     |                                                                                                                |     |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                           |       |     |                                                                                                                                                                       |     |     |     |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                           |       |     |                                                                                                                                                                       |     |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                         |       |     |                                                                                                                                                                       |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                               |       |     |                                                                                                                                                                       |     |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-407/22                                                                                                                                   |       |     | <b>Course title:</b><br>V3 Scientific output in a journal registered by CCC, WOS, SCOPUS - JCR/Q1 – Q2 (originally ADC, ADD, ADM, ADN), first or corresponding author |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br>per week:   per level/semester:<br><b>Form of the course:</b> on-site learning |       |     |                                                                                                                                                                       |     |     |     |       |
| <b>Number of credits:</b> 50                                                                                                                                              |       |     |                                                                                                                                                                       |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                              |       |     |                                                                                                                                                                       |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                            |       |     |                                                                                                                                                                       |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                     |       |     |                                                                                                                                                                       |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                               |       |     |                                                                                                                                                                       |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                 |       |     |                                                                                                                                                                       |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                    |       |     |                                                                                                                                                                       |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                            |       |     |                                                                                                                                                                       |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                        |       |     |                                                                                                                                                                       |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                             |       |     |                                                                                                                                                                       |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 86                                                                                                  |       |     |                                                                                                                                                                       |     |     |     |       |
| A                                                                                                                                                                         | ABS   | B   | C                                                                                                                                                                     | D   | E   | FX  | NEABS |
| 0,0                                                                                                                                                                       | 100,0 | 0,0 | 0,0                                                                                                                                                                   | 0,0 | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b>                                                                                                                                                         |       |     |                                                                                                                                                                       |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                       |       |     |                                                                                                                                                                       |     |     |     |       |
| <b>Approved by:</b>                                                                                                                                                       |       |     |                                                                                                                                                                       |     |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                  |       |     |                                                                                                                                                                      |     |     |     |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                  |       |     |                                                                                                                                                                      |     |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                |       |     |                                                                                                                                                                      |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                      |       |     |                                                                                                                                                                      |     |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-408/22                                                                                                                                          |       |     | <b>Course title:</b><br>V3 Scientific output in a journal registered by CCC, WOS, SCOPUS - JCR/Q3- Q4 (originally ADC, ADD, ADM, ADN), first or corresponding author |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:   per level/semester:</b><br><b>Form of the course:</b> on-site learning |       |     |                                                                                                                                                                      |     |     |     |       |
| <b>Number of credits:</b> 40                                                                                                                                                     |       |     |                                                                                                                                                                      |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                     |       |     |                                                                                                                                                                      |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                   |       |     |                                                                                                                                                                      |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                            |       |     |                                                                                                                                                                      |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                      |       |     |                                                                                                                                                                      |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                        |       |     |                                                                                                                                                                      |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                           |       |     |                                                                                                                                                                      |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                   |       |     |                                                                                                                                                                      |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                               |       |     |                                                                                                                                                                      |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                    |       |     |                                                                                                                                                                      |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 38                                                                                                         |       |     |                                                                                                                                                                      |     |     |     |       |
| A                                                                                                                                                                                | ABS   | B   | C                                                                                                                                                                    | D   | E   | FX  | NEABS |
| 0,0                                                                                                                                                                              | 100,0 | 0,0 | 0,0                                                                                                                                                                  | 0,0 | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b>                                                                                                                                                                |       |     |                                                                                                                                                                      |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                              |       |     |                                                                                                                                                                      |     |     |     |       |
| <b>Approved by:</b>                                                                                                                                                              |       |     |                                                                                                                                                                      |     |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                           |       |                                                                                                                                                               |     |     |     |     |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-------|
| <b>Academic year:</b> 2022/2023                                                                                                                                           |       |                                                                                                                                                               |     |     |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                         |       |                                                                                                                                                               |     |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                               |       |                                                                                                                                                               |     |     |     |     |       |
| <b>Course ID:</b><br>PriF/N-DSSZ-409/22                                                                                                                                   |       | <b>Course title:</b><br>V3 Scientific output in the journal registered by CCC, WOS, SCOPUS - JCR/Q1 – Q2 – Q3 - Q4 (originally ADC, ADD, ADM, ADN), co-author |     |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br>per week:   per level/semester:<br><b>Form of the course:</b> on-site learning |       |                                                                                                                                                               |     |     |     |     |       |
| <b>Number of credits:</b> 20                                                                                                                                              |       |                                                                                                                                                               |     |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                              |       |                                                                                                                                                               |     |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                            |       |                                                                                                                                                               |     |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                     |       |                                                                                                                                                               |     |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                               |       |                                                                                                                                                               |     |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                 |       |                                                                                                                                                               |     |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                    |       |                                                                                                                                                               |     |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                            |       |                                                                                                                                                               |     |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                        |       |                                                                                                                                                               |     |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                             |       |                                                                                                                                                               |     |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 153                                                                                                 |       |                                                                                                                                                               |     |     |     |     |       |
| A                                                                                                                                                                         | ABS   | B                                                                                                                                                             | C   | D   | E   | FX  | NEABS |
| 0,0                                                                                                                                                                       | 100,0 | 0,0                                                                                                                                                           | 0,0 | 0,0 | 0,0 | 0,0 | 0,0   |
| <b>Lecturers:</b>                                                                                                                                                         |       |                                                                                                                                                               |     |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                       |       |                                                                                                                                                               |     |     |     |     |       |
| <b>Approved by:</b>                                                                                                                                                       |       |                                                                                                                                                               |     |     |     |     |       |



## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| <b>Academic year:</b> 2022/2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                              |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                              |
| <b>Course ID:</b><br>PriF.KGP/N-DGPA-006/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Course title:</b><br>Štúdium oceánu, oceánografia a klíma |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                              |
| <b>Type, volume, methods and workload of the student - additional information</b><br>Recommended range of teaching (in hours):<br>Weekly: one-week course For the period of study: 15<br>Study method: on-site learning, 15-hour course, takes place in full-time (or combined with distance) form through a combination of presentation, problem and cooperative method of teaching.                                                                                                                                                                                                                                                                                                                                                     |                                                              |
| <b>Number of credits:</b> 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                              |
| <b>Recommended semester:</b> 2., 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                              |
| <b>Educational level:</b> III.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                              |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                              |
| <b>Course requirements:</b><br>Students solve problem tasks. The final evaluation consists of the evaluation of the test of practical problem tasks and basic theoretical knowledge. The award of the subject evaluation is conditioned by 100% of the submitted final assignments and the completed attendance (max. 2 justified absences). Course evaluation will be given after the course.                                                                                                                                                                                                                                                                                                                                            |                                                              |
| <b>Learning outcomes:</b><br>The basic aim of the course is to understand how the present day ocean works. Students, who follows this course will be embracing the multidisciplinary of oceanology, that most problems cannot be sorted into physics, chemistry and ecology, giving the structure of this course. The students will understand the physics of present day circulation, learn how to measure chemical properties of seawater in theory, grasp principles of sampling in marine science (applicable in other geoscience), study marine ecology, learn the system science approach through ocean and climate coupling, meet practical problems in the form of case studies from coastal management to protecting coral reef. |                                                              |
| <b>Class syllabus:</b><br>The course follows a broad multidisciplinary approach to understand the present day oceans. The term Marine Sciences is used to leave room to discuss practicalities like sampling or monitoring techniques. The approach is three fold, based on the disciplines of physics, chemistry and biology, resulting the first three modules: Physical Oceanography, Chemical Oceanography, Marine Ecology,<br>Climate change, Paleoceanography – proxy, Collecting data                                                                                                                                                                                                                                              |                                                              |
| <b>Recommended literature:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                              |

Hönisch, Bärbel; Ridgwell, Andy; Schmidt, Daniela N.; Thomas, E.; et al. (2012). "The Geological Record of Ocean Acidification". Science. 335 (6072): 1058–1063.

Pinet, Paul R. (1996). Invitation to Oceanography. West Publishing Company. pp. 126, 134–135.

Stewart, R. H., 2008, Our Ocean Planet: Oceanography in the 21st Century. A New Oceanography Book for College Students. <http://oceanworld.tamu.edu/ocean401/>

Barnes, R. S. K., and Hughes, R. N., 1999, Marine Ecology: Blackwell Science, no. ISBN 0-86542-834-4, p. 1-286.

Paytan, A., 2006, Marine Chemistry. <http://ocean.stanford.edu/courses/bomc/cnotes.html>

Sverdrup, Harald Ulrik; Johnson, Martin Wiggo; Fleming, Richard H. (1942). The Oceans, Their Physics, Chemistry, and General Biology. New York: Prentice-Hall.

**Languages necessary to complete the course:**

English language in combination with Slovak (most of the lectures through a foreign lecturer and study literature in English)

**Notes:**

Due to the limited capacity of the paleontological classroom, the exercises can take place in groups with a maximum of 15 students in each group.

**Past grade distribution**

Total number of evaluated students: 0

| ABS | NEABS |
|-----|-------|
| 0,0 | 0,0   |

**Lecturers:** prof. Mgr. Natália Hlavatá Hudáčková, PhD., Mgr. Andrej Ruman, PhD.

**Last change:** 16.09.2022

**Approved by:**