

## Course descriptions

### TABLE OF CONTENTS

|                                                                                                                                         |    |
|-----------------------------------------------------------------------------------------------------------------------------------------|----|
| 1. N-bCAL-044/22 Analytical Chemistry (1).....                                                                                          | 4  |
| 2. N-bCAL-046/22 Analytical Chemistry Practicals (1).....                                                                               | 5  |
| 3. N-bCBI-021/22 Bachelor Thesis in Biochemistry (1).....                                                                               | 6  |
| 4. N-bCBI-022/22 Bachelor Thesis in Biochemistry (2).....                                                                               | 8  |
| 5. N-bOBH-102/22 Bachelor's Thesis Defence ( <b>state exam</b> ).....                                                                   | 10 |
| 6. N-bOBH-101/22 Bachelor's Thesis Defence in Analytical Chemistry ( <b>state exam</b> ).....                                           | 11 |
| 7. N-bOBH-101/22 Bachelor's Thesis Defence in Inorganic Chemistry ( <b>state exam</b> ).....                                            | 12 |
| 8. N-bOBH-101/22 Bachelor's Thesis Defence in Nuclear chemistry and Radioecology ( <b>state exam</b> ).....                             | 13 |
| 9. N-bOBH-101/22 Bachelor's Thesis Defence in Physical Chemistry ( <b>state exam</b> ).....                                             | 14 |
| 10. N-bOBH-102/22 Bachelor's Thesis Defence in Physical Chemistry in Theoretical and Computational Chemistry ( <b>state exam</b> )..... | 15 |
| 11. N-bOBH-101/22 Bachelor's Thesis in Organic and Bioorganic Chemistry Defence ( <b>state exam</b> ).....                              | 16 |
| 12. N-XXXX-005/21 Bioarchaeology.....                                                                                                   | 17 |
| 13. N-bCXX-018/22 Biochemistry (1).....                                                                                                 | 18 |
| 14. N-bCXX-019/22 Biochemistry (2).....                                                                                                 | 19 |
| 15. N-bCXX-020/22 Biochemistry Practicals.....                                                                                          | 20 |
| 16. N-bCBI-019/22 Biochemistry and Cell Biology Laboratory.....                                                                         | 21 |
| 17. N-bCXX-009/22 Bioinorganic Chemistry.....                                                                                           | 22 |
| 18. N-bCFZ-041/22 Biophysical Chemistry.....                                                                                            | 23 |
| 19. N-bBXX-068/22 Cell Biology.....                                                                                                     | 24 |
| 20. N-bCXX-002/22 Chemical Calculation (1).....                                                                                         | 25 |
| 21. N-bCAG-005/22 Chemical Calculation (2).....                                                                                         | 26 |
| 22. N-bCXX-007/22 Chemical Excursion.....                                                                                               | 27 |
| 23. N-bCJD-043/22 Chemical Legislation.....                                                                                             | 28 |
| 24. N-bCXX-022/22 Chemical Structure.....                                                                                               | 29 |
| 25. N-bCAG-016/22 Colloquium in Inorganic Chemistry.....                                                                                | 30 |
| 26. N-bXCJ-132/22 ESP 1/English for Specific Purposes.....                                                                              | 31 |
| 27. N-bXCJ-133/22 ESP 2/English for Specific Purposes.....                                                                              | 32 |
| 28. N-bXCJ-134/22 ESP 3/English for Specific Purposes.....                                                                              | 33 |
| 29. N-bXCJ-135/22 ESP 4/English for Specific Purposes.....                                                                              | 34 |
| 30. N-bCBI-024/22 Elective Exercise in Biochemistry.....                                                                                | 35 |
| 31. N-bCBI-025/22 Elective Laboratory Practice in Biochemistry.....                                                                     | 36 |
| 32. N-bCXX-022/22 Elective Practice from Chemistry.....                                                                                 | 37 |
| 33. N-bCXX-017/15 Elective Seminar in Mathematics.....                                                                                  | 38 |
| 34. N-bCJD-037/22 Elective Seminar in Nuclear chemistry.....                                                                            | 39 |
| 35. N-bCFZ-044/24 Elective Seminar in Physical Chemistry.....                                                                           | 40 |
| 36. N-bCXX-025/23 Elective Seminar on Mechanisms of Organic Reactions.....                                                              | 41 |
| 37. N-bCOR-001/22 Elective Seminar on Organic Chemistry.....                                                                            | 42 |
| 38. N-bCOR-008/22 Elective Seminar on Organic Synthesis.....                                                                            | 43 |
| 39. N-bCXX-043/22 Environmental Chemistry.....                                                                                          | 44 |
| 40. N-bBGE-012/22 Evolutionary Biology.....                                                                                             | 45 |
| 41. N-bCJD-042/22 Exercise in Nuclear chemistry.....                                                                                    | 46 |
| 42. N-bCXX-026/22 Exercise in Physical Chemistry (1).....                                                                               | 47 |
| 43. N-bXCJ-136/22 Fachdeutsch in Naturwissenschaften 1.....                                                                             | 48 |
| 44. N-bXCJ-137/22 Fachdeutsch in Naturwissenschaften 2.....                                                                             | 49 |

|                   |                                                               |     |
|-------------------|---------------------------------------------------------------|-----|
| 45. N-bCXX-019/22 | Fundamentals of Physics for Chemistry.....                    | 50  |
| 46. N-bCXX-008/22 | General Biology.....                                          | 52  |
| 47. N-bCXX-010/22 | General Chemistry.....                                        | 53  |
| 48. N-bBXX-037/22 | Genetics.....                                                 | 54  |
| 49. N-XXXX-004/21 | Genetics for everyone.....                                    | 55  |
| 50. N-XXXX-001/21 | Geography of the World in the 21.st century.....              | 56  |
| 51. N-XXXX-007/21 | Geology in Nutshell.....                                      | 57  |
| 52. N-XXXX-009/21 | Global Environmental Issues.....                              | 58  |
| 53. N-bXXX-001/22 | Green University 1.....                                       | 59  |
| 54. N-bXXX-002/22 | Green University 2.....                                       | 60  |
| 55. N-bCXX-008/22 | Identification and Quantification of Chemical Substances..... | 61  |
| 56. N-bBXX-030/22 | Immunology.....                                               | 62  |
| 57. N-bCAL-037/22 | Introduction to Mass Spectrometry.....                        | 63  |
| 58. N_bCFZ-042/22 | Introduction to Mathematical Processing of Chemical Data..... | 64  |
| 59. N-bCXX-006/22 | Laboratory Technique.....                                     | 65  |
| 60. N-bXCJ-138/22 | Latin.....                                                    | 66  |
| 61. N-XXXX-008/21 | Man as a part of the nature.....                              | 67  |
| 62. N-bCXX-150/22 | Mathematics for the Chemistry.....                            | 68  |
| 63. N-bCBI-015/22 | Methods in Biochemistry.....                                  | 70  |
| 64. N-bCXX-023/22 | Methods in Chemical Research.....                             | 71  |
| 65. N-bCBI-023/22 | Methods in Molecular and Cell Biology.....                    | 72  |
| 66. N-bCXX-009/22 | Microbiology and Virology.....                                | 74  |
| 67. N-bBXX-026/22 | Natural Compounds.....                                        | 75  |
| 68. N-bCOR-023/22 | New Trends in Organic Chemistry.....                          | 76  |
| 69. N-bLPM-049/22 | Nové trendy v materiállovej chémii.....                       | 77  |
| 70. N-bCJD-029/22 | Nuclear chemistry 1.....                                      | 78  |
| 71. N-bCXX-018/22 | Optional Seminar in Analytical Chemistry.....                 | 79  |
| 72. N-bCAG-023/22 | Optional Seminar in Inorganic Chemistry.....                  | 80  |
| 73. N-bCXX-047/22 | Organic Chemistry 1.....                                      | 81  |
| 74. N-bCXX-012/22 | Perspectives in Chemistry.....                                | 82  |
| 75. N-XXXX-011/21 | Perspectives in Chemistry.....                                | 83  |
| 76. N-bCBI-003/22 | Perspectives of Biochemistry.....                             | 84  |
| 77. N-XXXX-010/22 | Perspectives of Biochemistry.....                             | 85  |
| 78. N-bBXX-002/22 | Perspectives of Current Biology.....                          | 86  |
| 79. N-bCXX-025/22 | Physical Chemistry 1.....                                     | 87  |
| 80. N-bXTV-101/22 | Physical Education 1.....                                     | 88  |
| 81. N-bXTV-102/22 | Physical Education 2.....                                     | 89  |
| 82. N-bXTV-103/22 | Physical Education 3.....                                     | 90  |
| 83. N-bXTV-104/22 | Physical Education 4.....                                     | 91  |
| 84. N-bXTV-105/22 | Physical Education 5.....                                     | 92  |
| 85. N-bXTV-106/22 | Physical Education 6.....                                     | 93  |
| 86. N-bCXX-016/15 | Physics for the Chemistry.....                                | 94  |
| 87. N-XXXX-003/21 | Plants known and unknown.....                                 | 95  |
| 88. N-XXXX-002/21 | Practical Geography for Natural Scientists.....               | 96  |
| 89. N-XXXX-012/21 | Practical Geology for Everyone.....                           | 97  |
| 90. N-bCBI-026/22 | Practical for a Bachelor's Thesis in Biochemistry.....        | 98  |
| 91. N-bCXX-049/22 | Practicals in Organic Chemistry (1).....                      | 99  |
| 92. N-bCBI-020/22 | Principles of Cell Biology.....                               | 100 |
| 93. N-bCBI-005/22 | Principles of Functional Biochemistry.....                    | 102 |

|                    |                                                                                        |     |
|--------------------|----------------------------------------------------------------------------------------|-----|
| 94. N-bXTV-110/22  | River rafting.....                                                                     | 103 |
| 95. N-bXCJ-128/22  | Scientific English for Chemistry 1.....                                                | 104 |
| 96. N-bXCJ-129/22  | Scientific English for Chemistry 2.....                                                | 105 |
| 97. N-bCXX-152/22  | Secondary School Mathematics Repetition.....                                           | 106 |
| 98. N-bBFE-021/22  | Selected chapters from Animal Physiology.....                                          | 107 |
| 99. N-bCAG-015/22  | Selected topics of coordination chemistry and stereochemistry.....                     | 108 |
| 100. N-bCAL-051/22 | Seminar in Separation Methods.....                                                     | 109 |
| 101. N-bXCJ-142/24 | Slovak for Foreign Students.....                                                       | 110 |
| 102. N-bXXX-003/23 | Soft-skills: Scientific Literacy and Communication in Natural Sciences.....            | 111 |
| 103. N-bUXX-208/25 | Summer Physical-Education Training.....                                                | 112 |
| 104. N-bCXX-015/22 | Theory of Chemical Bond.....                                                           | 113 |
| 105. N-XXXX-006/21 | Theory of species.....                                                                 | 114 |
| 106. N-bCXX-046/22 | Toxicology.....                                                                        | 115 |
| 107. N-bXCJ-140/23 | UNIcert preparatory course 1.....                                                      | 116 |
| 108. N-bXCJ-141/23 | UNIcert preparatory course 2.....                                                      | 117 |
| 109. N-bCFZ-001/22 | What is Physical and Theoretical Chemistry?.....                                       | 118 |
| 110. N-bUXX-207/25 | Winter Physical-Education Training.....                                                | 119 |
| 111. N-bXTV-208/25 | Winter Physical-Education Training.....                                                | 120 |
| 112. N-bZEG-055/24 | World, society and development through the eyes of human geography and demography..... | 121 |
| 113. N-bXTV-109/22 | Ďumbier mountain hiking.....                                                           | 122 |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------|------|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                       |       |                                                  |      |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                                  |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                                  |      |      |      |
| <b>Course ID:</b><br>PriF.KAlCh/N-bCAL-044/22                                                                                                                                                                         |       | <b>Course title:</b><br>Analytical Chemistry (1) |      |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 4 / 2 <b>per level/semester:</b> 52 / 26<br><b>Form of the course:</b> on-site learning |       |                                                  |      |      |      |
| <b>Number of credits:</b> 6                                                                                                                                                                                           |       |                                                  |      |      |      |
| <b>Recommended semester:</b> 4.                                                                                                                                                                                       |       |                                                  |      |      |      |
| <b>Educational level:</b> I.                                                                                                                                                                                          |       |                                                  |      |      |      |
| <b>Prerequisites:</b> PriF.KAgCh/N-bCXX-010/22 - General Chemistry                                                                                                                                                    |       |                                                  |      |      |      |
| <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: 120                                                                                                                                             |       |                                                  |      |      |      |
| A                                                                                                                                                                                                                     | B     | C                                                | D    | E    | FX   |
| 21,67                                                                                                                                                                                                                 | 11,67 | 16,67                                            | 12,5 | 25,0 | 12,5 |
| <b>Lecturers:</b> doc. RNDr. Róbert Bodor, PhD., doc. RNDr. Radoslav Halko, PhD.                                                                                                                                      |       |                                                  |      |      |      |
| <b>Last change:</b> 07.02.2024                                                                                                                                                                                        |       |                                                  |      |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                    |       |                                                  |      |      |      |

## COURSE DESCRIPTION

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------|-------|-----|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                       |       |                                                             |       |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                     |       |                                                             |       |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |       |                                                             |       |     |      |
| <b>Course ID:</b><br>PriF.KAlCh/N-bCAL-046/22                                                                                                                                                         |       | <b>Course title:</b><br>Analytical Chemistry Practicals (1) |       |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 5 <b>per level/semester:</b> 65<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> I.                                                                                                                                                                          |       |                                                             |       |     |      |
| <b>Prerequisites:</b> PriF.KAlCh/N-bCXX-006/22 - Laboratory Technique                                                                                                                                 |       |                                                             |       |     |      |
| <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: 119                                                                                                                             |       |                                                             |       |     |      |
| A                                                                                                                                                                                                     | B     | C                                                           | D     | E   | FX   |
| 32,77                                                                                                                                                                                                 | 20,17 | 25,21                                                       | 11,76 | 4,2 | 5,88 |
| <b>Lecturers:</b> RNDr. Peter Troška, PhD., Mgr. Jasna Hradski, PhD., RNDr. Renáta Górová, PhD., RNDr. Helena Jurdáková, PhD.                                                                         |       |                                                             |       |     |      |
| <b>Last change:</b> 07.02.2024                                                                                                                                                                        |       |                                                             |       |     |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                    |       |                                                             |       |     |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                             |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                             |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                             |
| <b>Course ID:</b><br>PriF.KBCh/N-bCBI-021/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Course title:</b><br>Bachelor Thesis in Biochemistry (1) |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 / 2 <b>per level/semester:</b> 13 / 26<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: practical training / seminar<br>Number of contact hours:<br>per week: 1/2 per level/semester: 13 / 26<br>Form of the course: on-site learning, remote                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                             |
| <b>Number of credits:</b> 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                             |
| <b>Recommended semester:</b> 5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                             |
| <b>Educational level:</b> I.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                             |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                             |
| <b>Course requirements:</b><br>The course consists of two blocks: (i) seminars, focused on the analysis of selected original scientific publications and bachelor's theses defended in the Biochemistry study program, their presentation and discussion; (ii) practical training, in which students will elaborate seminar tasks aimed at working with information resources and specialised software. The practicals will end with a written test. The evaluation will take into account the activity of students in seminars (66%) and practicals (33%) as follows: A - excellent results, B - above average work, C - ordinary reliable work, D - acceptable results, E - results meeting the minimum criteria , Fx - insufficient results (if a student gives an unacceptably poor performance corresponding to less than 60% of the maximum).                                                                    |                                                             |
| <b>Learning outcomes:</b><br>After completing the course, students will gain experience in working with scientific literature in the field of biochemistry and related scientific disciplines. They will get acquainted with information resources and tools for their processing (search and scientometric evaluation of publications), with work with citation tools, with displaying and evaluation of experimental results. They will learn the basics of processing bioinformatic and biological data and the use of appropriate databases. They will get acquainted with the basics of professional presentation, as well as professional and formal requirements that are placed on the final theses and their defense in the bachelor's degree program of Biochemistry. They will learn to process knowledge in the form of research, present an overview of scientific work in writing and through a lecture. |                                                             |
| <b>Class syllabus:</b><br>1) Professional and formal requirements for bachelor theses.<br>2) Basics of processing and presentation of an overview of scientific literature as well as original scientific results.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                             |

- 3) Searching and working with scientific literature. Evaluation of the quality of information resources.
- 4) Available office tools and citation tools to facilitate work with scientific literature.
- 5) Work with databases focusing on biochemistry and related scientific disciplines.
- 6) Processing and graphic design of scientific results for the needs of the final work and publication in a scientific journal.
- 7) Presentations of selected original scientific publications related to the topic of the bachelor thesis.

**Recommended literature:**

Citation tool Mendeley.

External electronic resources (e.g. SCOPUS, Web of Knowledge, PubMed).

Meaux S. Using color in scientific figures (online).

Tools and databases offered by the National Center for Biotechnology Information (NCBI) and European Bioinformatics Institute (EMBL-EBI).

Original scientific publications selected according to the topic of the bachelor thesis.

Rougier N.P, Droettboom M., Bourne P.E. (2014) Ten Simple Rules for Better Figures. PLOS Computational Biology 10(9): e1003833.

Guidelines for final theses at Comenius University in Bratislava.

Smith, A. - Creating effective scientific figures for publication (online).

Šesták, Z. (2000) How to write and lecture about science (in Czech), Academia.

Matthews, J.R., Bowen, J.M., Matthews, R.W. (2000). Successful scientific writing (A step-by-step guide for biological and medical sciences), Cambridge University Press, 2nd edition.

**Languages necessary to complete the course:**

Slovak in combination with English (literature in English and Czech)

**Notes:**

**Past grade distribution**

Total number of evaluated students: 48

| A     | B    | C   | D   | E   | FX   |
|-------|------|-----|-----|-----|------|
| 89,58 | 6,25 | 0,0 | 0,0 | 0,0 | 4,17 |

**Lecturers:** Mgr. Stanislav Huszár, PhD., Mgr. Filip Brázdovič, PhD., doc. Mgr. Peter Polčic, PhD., prof. RNDr. Jozef Nosek, DrSc.

**Last change:** 07.10.2022

**Approved by:** prof. RNDr. Jozef Nosek, DrSc.

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                             |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                             |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                             |
| <b>Course ID:</b><br>PriF.KBCh/N-bCBI-022/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Course title:</b><br>Bachelor Thesis in Biochemistry (2) |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week: 2 per level/semester: 26</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: seminar<br>Number of contact hours:<br>per week: 2 per level/semester: 22<br>Form of the course: on-site learning, remote                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             |
| <b>Number of credits:</b> 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                             |
| <b>Recommended semester:</b> 6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                             |
| <b>Educational level:</b> I.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                             |
| <b>Prerequisites:</b> PriF.KBCh/N-bCBI-020/22 - Principles of Cell Biology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                             |
| <b>Course requirements:</b><br>Activities related to the preparation of a bachelor thesis in the conditions of individualized teaching. Analysis and processing of selected original scientific publications, resp. own scientific results related to the topic of the bachelor thesis. Preparation of bachelor thesis and formulation of its conclusions. The evaluation will be given as follows: A - excellent results, B - above-average work, C - normal reliable work, D - acceptable results, E - results meeting the minimum criteria, Fx - insufficient results (if the student gives an unacceptably poor performance corresponding to less than 60% of the maximum performance). |                                                             |
| <b>Learning outcomes:</b><br>Development of special knowledge of students needed to master the professional issues defined by the topic of the bachelor thesis in close cooperation with the teacher and student. Students will learn to search for and analyze knowledge from scientific literature, interpret and discuss scientific results, and process them into a written bachelor thesis.                                                                                                                                                                                                                                                                                            |                                                             |
| <b>Class syllabus:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                             |
| <b>Recommended literature:</b><br>Original and review scientific publications recommended by the supervisor according to the topic of the bachelor thesis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                             |
| <b>Languages necessary to complete the course:</b><br>Slovak in combination with English (literature in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                             |
| <b>Notes:</b><br>the course is provided only in the summer semester                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                             |

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| <b>Past grade distribution</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |     |     |      |     |
| Total number of evaluated students: 40                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |     |     |      |     |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | B   | C   | D   | E    | FX  |
| 70,0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 7,5 | 5,0 | 2,5 | 10,0 | 5,0 |
| <b>Lecturers:</b> doc. RNDr. Marek Mentel, PhD., Mgr. Filip Brázdovič, PhD., Mgr. Andrea Cillingová, PhD., prof. RNDr. Anton Horváth, CSc., Mgr. Petra Chovančíková, PhD., Mgr. Stanislav Huszár, PhD., doc. RNDr. Jana Korduláková, PhD., prof. RNDr. Katarína Mikušová, DrSc., Ing. Martina Neboháčová, PhD., prof. RNDr. Jozef Nosek, DrSc., doc. Mgr. Peter Polčic, PhD., Ing. Pavol Sulo, CSc., RNDr. Ingrid Sveráková, PhD., doc. RNDr. Igor Zeman, PhD., Mgr. Júlia Zemanová, PhD. |     |     |     |      |     |
| <b>Last change:</b> 07.10.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                            |     |     |     |      |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                                                                                                                                                                                                                                                        |     |     |     |      |     |

## STATE EXAM DESCRIPTION

|                                                    |                                                   |
|----------------------------------------------------|---------------------------------------------------|
| <b>Academic year:</b> 2025/2026                    |                                                   |
| <b>University:</b> Comenius University Bratislava  |                                                   |
| <b>Faculty:</b> Faculty of Natural Sciences        |                                                   |
| <b>Course ID:</b><br>PriF.KBCh/N-bOBH-102/22       | <b>Course title:</b><br>Bachelor's Thesis Defence |
| <b>Number of credits:</b> 8                        |                                                   |
| <b>Educational level:</b> I.                       |                                                   |
| <b>State exam syllabus:</b>                        |                                                   |
| <b>Last change:</b> 07.11.2022                     |                                                   |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc. |                                                   |

## STATE EXAM DESCRIPTION

|                                                    |                                                                           |
|----------------------------------------------------|---------------------------------------------------------------------------|
| <b>Academic year:</b> 2025/2026                    |                                                                           |
| <b>University:</b> Comenius University Bratislava  |                                                                           |
| <b>Faculty:</b> Faculty of Natural Sciences        |                                                                           |
| <b>Course ID:</b><br>PriF.KAlCh/N-bOBH-101/22      | <b>Course title:</b><br>Bachelor's Thesis Defence in Analytical Chemistry |
| <b>Number of credits:</b> 8                        |                                                                           |
| <b>Educational level:</b> I.                       |                                                                           |
| <b>State exam syllabus:</b>                        |                                                                           |
| <b>Last change:</b> 30.09.2022                     |                                                                           |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc. |                                                                           |

## STATE EXAM DESCRIPTION

|                                                    |                                                                          |
|----------------------------------------------------|--------------------------------------------------------------------------|
| <b>Academic year:</b> 2025/2026                    |                                                                          |
| <b>University:</b> Comenius University Bratislava  |                                                                          |
| <b>Faculty:</b> Faculty of Natural Sciences        |                                                                          |
| <b>Course ID:</b><br>PriF.KAgCh/N-bOBH-101/22      | <b>Course title:</b><br>Bachelor's Thesis Defence in Inorganic Chemistry |
| <b>Number of credits:</b> 8                        |                                                                          |
| <b>Educational level:</b> I.                       |                                                                          |
| <b>State exam syllabus:</b>                        |                                                                          |
| <b>Last change:</b> 27.07.2022                     |                                                                          |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc. |                                                                          |

## STATE EXAM DESCRIPTION

|                                                    |                                                                                         |
|----------------------------------------------------|-----------------------------------------------------------------------------------------|
| <b>Academic year:</b> 2025/2026                    |                                                                                         |
| <b>University:</b> Comenius University Bratislava  |                                                                                         |
| <b>Faculty:</b> Faculty of Natural Sciences        |                                                                                         |
| <b>Course ID:</b><br>PriF.KJCh/N-bOBH-101/22       | <b>Course title:</b><br>Bachelor's Thesis Defence in Nuclear chemistry and Radioecology |
| <b>Number of credits:</b> 8                        |                                                                                         |
| <b>Educational level:</b> I.                       |                                                                                         |
| <b>State exam syllabus:</b>                        |                                                                                         |
| <b>Last change:</b> 10.10.2022                     |                                                                                         |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc. |                                                                                         |

## STATE EXAM DESCRIPTION

|                                                    |                                                                         |
|----------------------------------------------------|-------------------------------------------------------------------------|
| <b>Academic year:</b> 2025/2026                    |                                                                         |
| <b>University:</b> Comenius University Bratislava  |                                                                         |
| <b>Faculty:</b> Faculty of Natural Sciences        |                                                                         |
| <b>Course ID:</b><br>PriF.KFTCh/N-bOBH-101/22      | <b>Course title:</b><br>Bachelor's Thesis Defence in Physical Chemistry |
| <b>Number of credits:</b> 8                        |                                                                         |
| <b>Educational level:</b> I.                       |                                                                         |
| <b>State exam syllabus:</b>                        |                                                                         |
| <b>Last change:</b> 04.11.2022                     |                                                                         |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc. |                                                                         |

## STATE EXAM DESCRIPTION

|                                                    |                                                                                                                    |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Academic year:</b> 2025/2026                    |                                                                                                                    |
| <b>University:</b> Comenius University Bratislava  |                                                                                                                    |
| <b>Faculty:</b> Faculty of Natural Sciences        |                                                                                                                    |
| <b>Course ID:</b><br>PriF.KFTCh/N-bOBH-102/22      | <b>Course title:</b><br>Bachelor's Thesis Defence in Physical Chemistry in Theoretical and Computational Chemistry |
| <b>Number of credits:</b> 8                        |                                                                                                                    |
| <b>Educational level:</b> I.                       |                                                                                                                    |
| <b>State exam syllabus:</b>                        |                                                                                                                    |
| <b>Last change:</b> 04.11.2022                     |                                                                                                                    |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc. |                                                                                                                    |

## STATE EXAM DESCRIPTION

|                                                    |                                                                                       |
|----------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Academic year:</b> 2025/2026                    |                                                                                       |
| <b>University:</b> Comenius University Bratislava  |                                                                                       |
| <b>Faculty:</b> Faculty of Natural Sciences        |                                                                                       |
| <b>Course ID:</b><br>PriF.KOrCh/N-bOBH-101/22      | <b>Course title:</b><br>Bachelor's Thesis in Organic and Bioorganic Chemistry Defence |
| <b>Number of credits:</b> 8                        |                                                                                       |
| <b>Educational level:</b> I.                       |                                                                                       |
| <b>State exam syllabus:</b>                        |                                                                                       |
| <b>Last change:</b> 07.11.2022                     |                                                                                       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc. |                                                                                       |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |      |                                        |      |      |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|------|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |      |                                        |      |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |      |                                        |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |      |                                        |      |      |      |
| <b>Course ID:</b><br>PriF.KAn/N-XXXX-005/21                                                                                                                                                        |      | <b>Course title:</b><br>Bioarchaeology |      |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |      |                                        |      |      |      |
| <b>Number of credits:</b> 3                                                                                                                                                                        |      |                                        |      |      |      |
| <b>Recommended semester:</b> 1., 3., 5.                                                                                                                                                            |      |                                        |      |      |      |
| <b>Educational level:</b> I., II., P                                                                                                                                                               |      |                                        |      |      |      |
| <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: 1375                                                                                                                         |      |                                        |      |      |      |
| A                                                                                                                                                                                                  | B    | C                                      | D    | E    | FX   |
| 69,67                                                                                                                                                                                              | 9,82 | 6,55                                   | 5,45 | 4,36 | 4,15 |
| <b>Lecturers:</b> doc. RNDr. Radoslav Beňuš, PhD., Mgr. Silvia Bodoriková, PhD., RNDr. Michaela Dörnhöferová, PhD.                                                                                 |      |                                        |      |      |      |
| <b>Last change:</b> 07.11.2022                                                                                                                                                                     |      |                                        |      |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |      |                                        |      |      |      |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------|-------|-------|-------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                       |      |                                          |       |       |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |      |                                          |       |       |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |      |                                          |       |       |       |
| <b>Course ID:</b><br>PriF.KBCh/N-bCXX-018/22                                                                                                                                                                          |      | <b>Course title:</b><br>Biochemistry (1) |       |       |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 4 / 2 <b>per level/semester:</b> 52 / 26<br><b>Form of the course:</b> on-site learning |      |                                          |       |       |       |
| <b>Number of credits:</b> 6                                                                                                                                                                                           |      |                                          |       |       |       |
| <b>Recommended semester:</b> 3.                                                                                                                                                                                       |      |                                          |       |       |       |
| <b>Educational level:</b> I.                                                                                                                                                                                          |      |                                          |       |       |       |
| <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: 175                                                                                                                                             |      |                                          |       |       |       |
| A                                                                                                                                                                                                                     | B    | C                                        | D     | E     | FX    |
| 15,43                                                                                                                                                                                                                 | 20,0 | 16,57                                    | 15,43 | 13,71 | 18,86 |
| <b>Lecturers:</b> prof. RNDr. Katarína Mikušová, DrSc., doc. RNDr. Marek Mentel, PhD., Mgr. Júlia Zemanová, PhD., Mgr. Barbora Bučková, PhD., Mgr. Petra Chovančíková, PhD.                                           |      |                                          |       |       |       |
| <b>Last change:</b> 08.08.2025                                                                                                                                                                                        |      |                                          |       |       |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                    |      |                                          |       |       |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                                              |      |                                          |      |       |       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------|------|-------|-------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                              |      |                                          |      |       |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                            |      |                                          |      |       |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                  |      |                                          |      |       |       |
| <b>Course ID:</b><br>PriF.KBCh/N-bCXX-019/22                                                                                                                                                                                                                                 |      | <b>Course title:</b><br>Biochemistry (2) |      |       |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 4 / 2 <b>per level/semester:</b> 52 / 26<br><b>Form of the course:</b> on-site learning                                                        |      |                                          |      |       |       |
| <b>Number of credits:</b> 6                                                                                                                                                                                                                                                  |      |                                          |      |       |       |
| <b>Recommended semester:</b> 4.                                                                                                                                                                                                                                              |      |                                          |      |       |       |
| <b>Educational level:</b> I.                                                                                                                                                                                                                                                 |      |                                          |      |       |       |
| <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: 75                                                                                                                                                                                                     |      |                                          |      |       |       |
| A                                                                                                                                                                                                                                                                            | B    | C                                        | D    | E     | FX    |
| 17,33                                                                                                                                                                                                                                                                        | 20,0 | 14,67                                    | 9,33 | 17,33 | 21,33 |
| <b>Lecturers:</b> prof. RNDr. Katarína Mikušová, DrSc., doc. RNDr. Jana Korduláková, PhD., doc. Mgr. Peter Polčic, PhD., Mgr. Stanislav Huszár, PhD., Mgr. Petra Chovančíková, PhD., Ing. Martina Neboháčová, PhD., Mgr. Júlia Zemanová, PhD., doc. RNDr. Marek Mentel, PhD. |      |                                          |      |       |       |
| <b>Last change:</b> 02.09.2024                                                                                                                                                                                                                                               |      |                                          |      |       |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                                           |      |                                          |      |       |       |

## COURSE DESCRIPTION

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------|------|-----|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                       |       |                                                 |      |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                     |       |                                                 |      |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |       |                                                 |      |     |      |
| <b>Course ID:</b><br>PriF.KBCh/N-bCXX-020/22                                                                                                                                                          |       | <b>Course title:</b><br>Biochemistry Practicals |      |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 5 <b>per level/semester:</b> 65<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> I.                                                                                                                                                                          |       |                                                 |      |     |      |
| <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: 167                                                                                                                             |       |                                                 |      |     |      |
| A                                                                                                                                                                                                     | B     | C                                               | D    | E   | FX   |
| 25,15                                                                                                                                                                                                 | 38,92 | 21,56                                           | 9,58 | 1,2 | 3,59 |
| <b>Lecturers:</b> doc. Mgr. Peter Polčic, PhD.                                                                                                                                                        |       |                                                 |      |     |      |
| <b>Last change:</b> 12.09.2022                                                                                                                                                                        |       |                                                 |      |     |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                    |       |                                                 |      |     |      |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------|-------|-------|-----|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                        |       |                                                                  |       |       |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                      |       |                                                                  |       |       |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                            |       |                                                                  |       |       |     |
| <b>Course ID:</b><br>PriF.KBCh/N-bCBI-019/22                                                                                                                                                           |       | <b>Course title:</b><br>Biochemistry and Cell Biology Laboratory |       |       |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 8 <b>per level/semester:</b> 104<br><b>Form of the course:</b> on-site learning |       |                                                                  |       |       |     |
| <b>Number of credits:</b> 8                                                                                                                                                                            |       |                                                                  |       |       |     |
| <b>Recommended semester:</b> 6.                                                                                                                                                                        |       |                                                                  |       |       |     |
| <b>Educational level:</b> I.                                                                                                                                                                           |       |                                                                  |       |       |     |
| <b>Prerequisites:</b> PriF.KBCh/N-bCXX-018/22 - Biochemistry (1)                                                                                                                                       |       |                                                                  |       |       |     |
| <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                                                                                                                                                                                                      | B     | C                                                                | D     | E     | FX  |
| 7,69                                                                                                                                                                                                   | 25,64 | 33,33                                                            | 12,82 | 20,51 | 0,0 |
| <b>Lecturers:</b> Ing. Martina Neboháčová, PhD., Mgr. Stanislav Huszár, PhD., doc. RNDr. Igor Zeman, PhD., Mgr. Júlia Zemanová, PhD., Mgr. Barbora Bučková, PhD.                                       |       |                                                                  |       |       |     |
| <b>Last change:</b> 08.08.2025                                                                                                                                                                         |       |                                                                  |       |       |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                     |       |                                                                  |       |       |     |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------|-------|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                       |       |                                                |       |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                                |       |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                                |       |      |      |
| <b>Course ID:</b><br>PriF.KAgCh/N-bCXX-009/22                                                                                                                                                                         |       | <b>Course title:</b><br>Bioinorganic Chemistry |       |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 / 1 <b>per level/semester:</b> 26 / 13<br><b>Form of the course:</b> on-site learning |       |                                                |       |      |      |
| <b>Number of credits:</b> 3                                                                                                                                                                                           |       |                                                |       |      |      |
| <b>Recommended semester:</b> 4.                                                                                                                                                                                       |       |                                                |       |      |      |
| <b>Educational level:</b> I.                                                                                                                                                                                          |       |                                                |       |      |      |
| <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: 31                                                                                                                                              |       |                                                |       |      |      |
| A                                                                                                                                                                                                                     | B     | C                                              | D     | E    | FX   |
| 12,9                                                                                                                                                                                                                  | 35,48 | 22,58                                          | 16,13 | 9,68 | 3,23 |
| <b>Lecturers:</b> RNDr. Marcel Zámocký, DrSc.                                                                                                                                                                         |       |                                                |       |      |      |
| <b>Last change:</b> 17.10.2022                                                                                                                                                                                        |       |                                                |       |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                    |       |                                                |       |      |      |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------|-----|-----|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                       |       |                                               |     |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                               |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                               |     |     |      |
| <b>Course ID:</b><br>PriF.KFTCh/N-bCFZ-041/22                                                                                                                                                                         |       | <b>Course title:</b><br>Biophysical Chemistry |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 / 1 <b>per level/semester:</b> 26 / 13<br><b>Form of the course:</b> on-site learning |       |                                               |     |     |      |
| <b>Number of credits:</b> 3                                                                                                                                                                                           |       |                                               |     |     |      |
| <b>Recommended semester:</b> 5.                                                                                                                                                                                       |       |                                               |     |     |      |
| <b>Educational level:</b> I.                                                                                                                                                                                          |       |                                               |     |     |      |
| <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: 43                                                                                                                                              |       |                                               |     |     |      |
| A                                                                                                                                                                                                                     | B     | C                                             | D   | E   | FX   |
| 48,84                                                                                                                                                                                                                 | 30,23 | 18,6                                          | 0,0 | 0,0 | 2,33 |
| <b>Lecturers:</b> doc. RNDr. Ivan Valent, CSc.                                                                                                                                                                        |       |                                               |     |     |      |
| <b>Last change:</b> 04.11.2022                                                                                                                                                                                        |       |                                               |     |     |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                    |       |                                               |     |     |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                                                                                                              |       |                                      |       |       |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------|-------|-------|-------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                                                              |       |                                      |       |       |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                            |       |                                      |       |       |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                  |       |                                      |       |       |       |
| <b>Course ID:</b><br>PriF.KFR/N-bBXX-068/22                                                                                                                                                                                                                                                                                                  |       | <b>Course title:</b><br>Cell Biology |       |       |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 26 / 26<br><b>Form of the course:</b> on-site learning                                                                                                                     |       |                                      |       |       |       |
| <b>Number of credits:</b> 4                                                                                                                                                                                                                                                                                                                  |       |                                      |       |       |       |
| <b>Recommended semester:</b> 1.                                                                                                                                                                                                                                                                                                              |       |                                      |       |       |       |
| <b>Educational level:</b> I., P                                                                                                                                                                                                                                                                                                              |       |                                      |       |       |       |
| <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: 1150                                                                                                                                                                                                                                                                   |       |                                      |       |       |       |
| A                                                                                                                                                                                                                                                                                                                                            | B     | C                                    | D     | E     | FX    |
| 9,13                                                                                                                                                                                                                                                                                                                                         | 17,48 | 24,17                                | 20,43 | 17,04 | 11,74 |
| <b>Lecturers:</b> doc. Mgr. Michal Martinka, PhD., prof. RNDr. Helena Bujdáková, CSc., prof. Mgr. Iveta Herichová, DrSc., doc. RNDr. Martin Mrva, PhD., doc. Mgr. Ľuboš Molčan, PhD., doc. Mgr. Renáta Švubová, PhD., doc. Mgr. Boris Bokor, PhD., doc. Mgr. Viktor Demko, PhD., RNDr. Jana Kohanová, PhD., doc. RNDr. Zuzana Lukačová, PhD. |       |                                      |       |       |       |
| <b>Last change:</b> 15.07.2022                                                                                                                                                                                                                                                                                                               |       |                                      |       |       |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                                                                                                           |       |                                      |       |       |       |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------|-------|-------|-------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |      |                                                  |       |       |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |      |                                                  |       |       |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |      |                                                  |       |       |       |
| <b>Course ID:</b><br>PriF.KAgCh/N-bCXX-002/22                                                                                                                                                      |      | <b>Course title:</b><br>Chemical Calculation (1) |       |       |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |      |                                                  |       |       |       |
| <b>Number of credits:</b> 2                                                                                                                                                                        |      |                                                  |       |       |       |
| <b>Recommended semester:</b> 1.                                                                                                                                                                    |      |                                                  |       |       |       |
| <b>Educational level:</b> I.                                                                                                                                                                       |      |                                                  |       |       |       |
| <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: 366                                                                                                                          |      |                                                  |       |       |       |
| A                                                                                                                                                                                                  | B    | C                                                | D     | E     | FX    |
| 15,3                                                                                                                                                                                               | 15,3 | 18,31                                            | 15,85 | 13,66 | 21,58 |
| <b>Lecturers:</b> doc. Mgr. Olivier Monfort, PhD., Mgr. Roman Bystrický, PhD.                                                                                                                      |      |                                                  |       |       |       |
| <b>Last change:</b> 14.09.2022                                                                                                                                                                     |      |                                                  |       |       |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |      |                                                  |       |       |       |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------|-------|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |      |                                                  |       |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |      |                                                  |       |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |      |                                                  |       |      |      |
| <b>Course ID:</b><br>PriF.KAgCh/N-bCAG-005/22                                                                                                                                                      |      | <b>Course title:</b><br>Chemical Calculation (2) |       |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |      |                                                  |       |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                        |      |                                                  |       |      |      |
| <b>Recommended semester:</b> 2.                                                                                                                                                                    |      |                                                  |       |      |      |
| <b>Educational level:</b> I.                                                                                                                                                                       |      |                                                  |       |      |      |
| <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: 35                                                                                                                           |      |                                                  |       |      |      |
| A                                                                                                                                                                                                  | B    | C                                                | D     | E    | FX   |
| 45,71                                                                                                                                                                                              | 8,57 | 8,57                                             | 11,43 | 5,71 | 20,0 |
| <b>Lecturers:</b> RNDr. Ján Šimunek, PhD.                                                                                                                                                          |      |                                                  |       |      |      |
| <b>Last change:</b> 14.09.2022                                                                                                                                                                     |      |                                                  |       |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |      |                                                  |       |      |      |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------|-----|-----|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                   |     |                                            |     |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                 |     |                                            |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                       |     |                                            |     |     |      |
| <b>Course ID:</b><br>PriF.KJCh/N-bCXX-007/22                                                                                                                                                      |     | <b>Course title:</b><br>Chemical Excursion |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practice<br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b> 3d<br><b>Form of the course:</b> on-site learning |     |                                            |     |     |      |
| <b>Number of credits:</b> 1                                                                                                                                                                       |     |                                            |     |     |      |
| <b>Recommended semester:</b> 4.                                                                                                                                                                   |     |                                            |     |     |      |
| <b>Educational level:</b> I.                                                                                                                                                                      |     |                                            |     |     |      |
| <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: 69                                                                                                                          |     |                                            |     |     |      |
| A                                                                                                                                                                                                 | B   | C                                          | D   | E   | FX   |
| 92,75                                                                                                                                                                                             | 0,0 | 0,0                                        | 0,0 | 0,0 | 7,25 |
| <b>Lecturers:</b> Mgr. Roman Bystrický, PhD., prof. RNDr. Michal Galamboš, PhD., RNDr. Robert Kubinec, CSc., Mgr. Martin Motola, PhD., Mgr. Tibor Peňaška, PhD., Mgr. Táňa Sebechlebská, PhD.     |     |                                            |     |     |      |
| <b>Last change:</b> 15.12.2023                                                                                                                                                                    |     |                                            |     |     |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                |     |                                            |     |     |      |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------|-------|------|-------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |      |                                              |       |      |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |      |                                              |       |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |      |                                              |       |      |       |
| <b>Course ID:</b><br>PriF.KJCh/N-bCJD-043/22                                                                                                                                                       |      | <b>Course title:</b><br>Chemical Legislation |       |      |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |      |                                              |       |      |       |
| <b>Number of credits:</b> 2                                                                                                                                                                        |      |                                              |       |      |       |
| <b>Recommended semester:</b> 2., 4., 6.                                                                                                                                                            |      |                                              |       |      |       |
| <b>Educational level:</b> I.                                                                                                                                                                       |      |                                              |       |      |       |
| <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: 15                                                                                                                           |      |                                              |       |      |       |
| A                                                                                                                                                                                                  | B    | C                                            | D     | E    | FX    |
| 26,67                                                                                                                                                                                              | 6,67 | 20,0                                         | 26,67 | 6,67 | 13,33 |
| <b>Lecturers:</b> doc. RNDr. Oľga Roszkopfová, PhD.                                                                                                                                                |      |                                              |       |      |       |
| <b>Last change:</b> 10.10.2022                                                                                                                                                                     |      |                                              |       |      |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |      |                                              |       |      |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                                       |       |                                            |      |      |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                            |      |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                            |      |      |     |
| <b>Course ID:</b><br>PriF.KFTCh/N-bCXX-022/22                                                                                                                                                                         |       | <b>Course title:</b><br>Chemical Structure |      |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 / 1 <b>per level/semester:</b> 26 / 13<br><b>Form of the course:</b> on-site learning |       |                                            |      |      |     |
| <b>Number of credits:</b> 3                                                                                                                                                                                           |       |                                            |      |      |     |
| <b>Recommended semester:</b> 4., 6.                                                                                                                                                                                   |       |                                            |      |      |     |
| <b>Educational level:</b> I.                                                                                                                                                                                          |       |                                            |      |      |     |
| <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: 76                                                                                                                                              |       |                                            |      |      |     |
| A                                                                                                                                                                                                                     | B     | C                                          | D    | E    | FX  |
| 28,95                                                                                                                                                                                                                 | 34,21 | 22,37                                      | 7,89 | 6,58 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                 |       |                                            |      |      |     |
| <b>Last change:</b> 19.09.2022                                                                                                                                                                                        |       |                                            |      |      |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                    |       |                                            |      |      |     |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |     |                                                           |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |     |                                                           |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |     |                                                           |     |     |     |
| <b>Course ID:</b><br>PriF.KAgCh/N-bCAG-016/22                                                                                                                                                      |     | <b>Course title:</b><br>Colloquium in Inorganic Chemistry |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |     |                                                           |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                        |     |                                                           |     |     |     |
| <b>Recommended semester:</b> 2.                                                                                                                                                                    |     |                                                           |     |     |     |
| <b>Educational level:</b> I.                                                                                                                                                                       |     |                                                           |     |     |     |
| <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                                                                                                                                                                                                  | B   | C                                                         | D   | E   | FX  |
| 100,0                                                                                                                                                                                              | 0,0 | 0,0                                                       | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. Mgr. Olivier Monfort, PhD.                                                                                                                                                  |     |                                                           |     |     |     |
| <b>Last change:</b> 17.10.2022                                                                                                                                                                     |     |                                                           |     |     |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |     |                                                           |     |     |     |

## COURSE DESCRIPTION

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------|------|-----|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                       |       |                                                             |      |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                     |       |                                                             |      |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                           |       |                                                             |      |     |      |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-132/22                                                                                                                                                                                                            |       | <b>Course title:</b><br>ESP 1/English for Specific Purposes |      |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week: 2 per level/semester: 26</b><br><b>Form of the course:</b> on-site learning                                                           |       |                                                             |      |     |      |
| <b>Number of credits:</b> 2                                                                                                                                                                                                                           |       |                                                             |      |     |      |
| <b>Recommended semester:</b> 3.                                                                                                                                                                                                                       |       |                                                             |      |     |      |
| <b>Educational level:</b> I., P                                                                                                                                                                                                                       |       |                                                             |      |     |      |
| <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: 734                                                                                                                                                                             |       |                                                             |      |     |      |
| A                                                                                                                                                                                                                                                     | B     | C                                                           | D    | E   | FX   |
| 72,48                                                                                                                                                                                                                                                 | 15,67 | 5,31                                                        | 1,36 | 1,5 | 3,68 |
| <b>Lecturers:</b> PhDr. Štefánia Dugovičová, PhD., Mgr. Lenka Jeleňová, Mgr. Barbara Kordíková, PhD., PaedDr. Stanislav Kováč, PhD., PhDr. Oľga Pažitková, CSc., RNDr. Tatiana Slováková, PhD., Mgr. Simona Dobiašová, PhD., Mgr. Mariana Hyžná, PhD. |       |                                                             |      |     |      |
| <b>Last change:</b> 26.09.2022                                                                                                                                                                                                                        |       |                                                             |      |     |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                    |       |                                                             |      |     |      |

## COURSE DESCRIPTION

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------|-----|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                       |       |                                                             |     |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                     |       |                                                             |     |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                           |       |                                                             |     |      |      |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-133/22                                                                                                                                                                                                            |       | <b>Course title:</b><br>ESP 2/English for Specific Purposes |     |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning                                                    |       |                                                             |     |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                                                                           |       |                                                             |     |      |      |
| <b>Recommended semester:</b> 4.                                                                                                                                                                                                                       |       |                                                             |     |      |      |
| <b>Educational level:</b> I., P                                                                                                                                                                                                                       |       |                                                             |     |      |      |
| <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: 456                                                                                                                                                                             |       |                                                             |     |      |      |
| A                                                                                                                                                                                                                                                     | B     | C                                                           | D   | E    | FX   |
| 82,24                                                                                                                                                                                                                                                 | 11,62 | 3,07                                                        | 1,1 | 0,44 | 1,54 |
| <b>Lecturers:</b> PhDr. Štefánia Dugovičová, PhD., Mgr. Lenka Jeleňová, Mgr. Barbara Kordíková, PhD., PaedDr. Stanislav Kováč, PhD., PhDr. Oľga Pažitková, CSc., RNDr. Tatiana Slováková, PhD., Mgr. Simona Dobiašová, PhD., Mgr. Mariana Hyžná, PhD. |       |                                                             |     |      |      |
| <b>Last change:</b> 26.09.2022                                                                                                                                                                                                                        |       |                                                             |     |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                    |       |                                                             |     |      |      |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------|------|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                |       |                                                             |      |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                              |       |                                                             |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                    |       |                                                             |      |      |      |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-134/22                                                                                                                                                     |       | <b>Course title:</b><br>ESP 3/English for Specific Purposes |      |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week: 2 per level/semester: 26</b><br><b>Form of the course:</b> on-site learning    |       |                                                             |      |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                    |       |                                                             |      |      |      |
| <b>Recommended semester:</b> 5.                                                                                                                                                                |       |                                                             |      |      |      |
| <b>Educational level:</b> I., P                                                                                                                                                                |       |                                                             |      |      |      |
| <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: 459                                                                                                                      |       |                                                             |      |      |      |
| A                                                                                                                                                                                              | B     | C                                                           | D    | E    | FX   |
| 80,17                                                                                                                                                                                          | 13,07 | 3,27                                                        | 0,65 | 0,65 | 2,18 |
| <b>Lecturers:</b> PhDr. Štefánia Dugovičová, PhD., Mgr. Lenka Jeleňová, Mgr. Barbara Kordíková, PhD., PaedDr. Stanislav Kováč, PhD., PhDr. Oľga Pažitková, CSc., RNDr. Tatiana Slováková, PhD. |       |                                                             |      |      |      |
| <b>Last change:</b> 26.09.2022                                                                                                                                                                 |       |                                                             |      |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                             |       |                                                             |      |      |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |       |                                                             |      |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                             |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                             |      |      |      |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-135/22                                                                                                                                                         |       | <b>Course title:</b><br>ESP 4/English for Specific Purposes |      |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |       |                                                             |      |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                        |       |                                                             |      |      |      |
| <b>Recommended semester:</b> 6.                                                                                                                                                                    |       |                                                             |      |      |      |
| <b>Educational level:</b> I., P                                                                                                                                                                    |       |                                                             |      |      |      |
| <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: 254                                                                                                                          |       |                                                             |      |      |      |
| A                                                                                                                                                                                                  | B     | C                                                           | D    | E    | FX   |
| 80,31                                                                                                                                                                                              | 12,99 | 3,94                                                        | 1,18 | 0,39 | 1,18 |
| <b>Lecturers:</b> PhDr. Štefánia Dugovičová, PhD., Mgr. Lenka Jeleňová, Mgr. Barbara Kordíková, PhD., PaedDr. Stanislav Kováč, PhD., RNDr. Tatiana Slováková, PhD., Mgr. Mariana Hyžná, PhD.       |       |                                                             |      |      |      |
| <b>Last change:</b> 26.09.2022                                                                                                                                                                     |       |                                                             |      |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |       |                                                             |      |      |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                   |      |                                                           |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                 |      |                                                           |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                       |      |                                                           |     |     |     |
| <b>Course ID:</b><br>PriF.KBCh/N-bCBI-024/22                                                                                                                                                      |      | <b>Course title:</b><br>Elective Exercise in Biochemistry |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practice<br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b> 1t<br><b>Form of the course:</b> on-site learning |      |                                                           |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                       |      |                                                           |     |     |     |
| <b>Recommended semester:</b> 4.                                                                                                                                                                   |      |                                                           |     |     |     |
| <b>Educational level:</b> I.                                                                                                                                                                      |      |                                                           |     |     |     |
| <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                                                                                                                                                                                                 | B    | C                                                         | D   | E   | FX  |
| 64,0                                                                                                                                                                                              | 24,0 | 0,0                                                       | 4,0 | 0,0 | 8,0 |
| <b>Lecturers:</b> Mgr. Petra Chovančíková, PhD.                                                                                                                                                   |      |                                                           |     |     |     |
| <b>Last change:</b> 13.09.2022                                                                                                                                                                    |      |                                                           |     |     |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                |      |                                                           |     |     |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                   |     |                                                                      |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                 |     |                                                                      |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                       |     |                                                                      |     |     |     |
| <b>Course ID:</b><br>PriF.KBCh/N-bCBI-025/22                                                                                                                                                      |     | <b>Course title:</b><br>Elective Laboratory Practice in Biochemistry |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practice<br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b> 2t<br><b>Form of the course:</b> on-site learning |     |                                                                      |     |     |     |
| <b>Number of credits:</b> 4                                                                                                                                                                       |     |                                                                      |     |     |     |
| <b>Recommended semester:</b> 4.                                                                                                                                                                   |     |                                                                      |     |     |     |
| <b>Educational level:</b> I.                                                                                                                                                                      |     |                                                                      |     |     |     |
| <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: 10                                                                                                                          |     |                                                                      |     |     |     |
| A                                                                                                                                                                                                 | B   | C                                                                    | D   | E   | FX  |
| 100,0                                                                                                                                                                                             | 0,0 | 0,0                                                                  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Katarína Mikušová, DrSc.                                                                                                                                            |     |                                                                      |     |     |     |
| <b>Last change:</b> 27.07.2022                                                                                                                                                                    |     |                                                                      |     |     |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                |     |                                                                      |     |     |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                       |      |                                                          |      |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                     |      |                                                          |      |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |      |                                                          |      |     |     |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCXX-022/22                                                                                                                                                         |      | <b>Course title:</b><br>Elective Practice from Chemistry |      |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 5 <b>per level/semester:</b> 65<br><b>Form of the course:</b> on-site learning |      |                                                          |      |     |     |
| <b>Number of credits:</b> 5                                                                                                                                                                           |      |                                                          |      |     |     |
| <b>Recommended semester:</b> 3., 5.                                                                                                                                                                   |      |                                                          |      |     |     |
| <b>Educational level:</b> I.                                                                                                                                                                          |      |                                                          |      |     |     |
| <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: 59                                                                                                                              |      |                                                          |      |     |     |
| A                                                                                                                                                                                                     | B    | C                                                        | D    | E   | FX  |
| 94,92                                                                                                                                                                                                 | 3,39 | 0,0                                                      | 1,69 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Martin Putala, CSc., RNDr. Jana Chrappová, PhD., prof. RNDr. Marian Masár, PhD., doc. Mgr. Michal Pitoňák, PhD., prof. RNDr. Michal Galamboš, PhD.                       |      |                                                          |      |     |     |
| <b>Last change:</b> 27.07.2022                                                                                                                                                                        |      |                                                          |      |     |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                    |      |                                                          |      |     |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |       |                                                         |      |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                         |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                         |      |      |      |
| <b>Course ID:</b><br>PriF-FMFI.KMANM/N-bCXX-017/15                                                                                                                                                 |       | <b>Course title:</b><br>Elective Seminar in Mathematics |      |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |       |                                                         |      |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                        |       |                                                         |      |      |      |
| <b>Recommended semester:</b> 1.                                                                                                                                                                    |       |                                                         |      |      |      |
| <b>Educational level:</b> I.                                                                                                                                                                       |       |                                                         |      |      |      |
| <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: 325                                                                                                                          |       |                                                         |      |      |      |
| A                                                                                                                                                                                                  | B     | C                                                       | D    | E    | FX   |
| 48,62                                                                                                                                                                                              | 18,77 | 7,38                                                    | 7,69 | 8,92 | 8,62 |
| <b>Lecturers:</b> Mgr. Patrik Rezák, Mgr. Daša Červeňová, Mgr. Lívia Sobinová, Mgr. Tomáš Rudinský                                                                                                 |       |                                                         |      |      |      |
| <b>Last change:</b> 17.10.2022                                                                                                                                                                     |       |                                                         |      |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |       |                                                         |      |      |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |       |                                                               |      |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                               |      |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                               |      |     |      |
| <b>Course ID:</b><br>PriF.KJCh/N-bCJD-037/22                                                                                                                                                       |       | <b>Course title:</b><br>Elective Seminar in Nuclear chemistry |      |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 <b>per level/semester:</b> 13<br><b>Form of the course:</b> on-site learning |       |                                                               |      |     |      |
| <b>Number of credits:</b> 1                                                                                                                                                                        |       |                                                               |      |     |      |
| <b>Recommended semester:</b> 4.                                                                                                                                                                    |       |                                                               |      |     |      |
| <b>Educational level:</b> I.                                                                                                                                                                       |       |                                                               |      |     |      |
| <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: 119                                                                                                                          |       |                                                               |      |     |      |
| A                                                                                                                                                                                                  | B     | C                                                             | D    | E   | FX   |
| 76,47                                                                                                                                                                                              | 11,76 | 8,4                                                           | 1,68 | 0,0 | 1,68 |
| <b>Lecturers:</b> RNDr. Marek Hupian, doc. RNDr. Eva Viglašová, PhD.                                                                                                                               |       |                                                               |      |     |      |
| <b>Last change:</b> 10.10.2022                                                                                                                                                                     |       |                                                               |      |     |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |       |                                                               |      |     |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |       |                                                                |      |      |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                                |      |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                                |      |      |     |
| <b>Course ID:</b><br>PriF.KFTCh/N-bCFZ-044/24                                                                                                                                                      |       | <b>Course title:</b><br>Elective Seminar in Physical Chemistry |      |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |       |                                                                |      |      |     |
| <b>Number of credits:</b> 2                                                                                                                                                                        |       |                                                                |      |      |     |
| <b>Recommended semester:</b> 3.                                                                                                                                                                    |       |                                                                |      |      |     |
| <b>Educational level:</b> I.                                                                                                                                                                       |       |                                                                |      |      |     |
| <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: 69                                                                                                                           |       |                                                                |      |      |     |
| A                                                                                                                                                                                                  | B     | C                                                              | D    | E    | FX  |
| 60,87                                                                                                                                                                                              | 23,19 | 10,14                                                          | 1,45 | 1,45 | 2,9 |
| <b>Lecturers:</b> Mgr. Táňa Sebechlebská, PhD., Mgr. Daniel Furka, PhD., Mgr. Samuel Furka, PhD., doc. Mgr. Pavel Neogrády, DrSc.                                                                  |       |                                                                |      |      |     |
| <b>Last change:</b> 07.01.2026                                                                                                                                                                     |       |                                                                |      |      |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |       |                                                                |      |      |     |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------------|-------|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |      |                                                                             |       |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |      |                                                                             |       |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |      |                                                                             |       |      |      |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCXX-025/23                                                                                                                                                      |      | <b>Course title:</b><br>Elective Seminar on Mechanisms of Organic Reactions |       |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |      |                                                                             |       |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                        |      |                                                                             |       |      |      |
| <b>Recommended semester:</b> 3.                                                                                                                                                                    |      |                                                                             |       |      |      |
| <b>Educational level:</b> I.                                                                                                                                                                       |      |                                                                             |       |      |      |
| <b>Prerequisites:</b> PriF.KOrCh/N-bCXX-048/22 - Organic Chemistry 2                                                                                                                               |      |                                                                             |       |      |      |
| <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: 57                                                                                                                           |      |                                                                             |       |      |      |
| A                                                                                                                                                                                                  | B    | C                                                                           | D     | E    | FX   |
| 21,05                                                                                                                                                                                              | 38,6 | 19,3                                                                        | 14,04 | 5,26 | 1,75 |
| <b>Lecturers:</b> doc. RNDr. Martin Putala, CSc., Mgr. Ambroz Almáßy, PhD., Mgr. Peter Šramel, PhD., Ing. Michal Májek, PhD.                                                                       |      |                                                                             |       |      |      |
| <b>Last change:</b>                                                                                                                                                                                |      |                                                                             |       |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |      |                                                                             |       |      |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                     |       |                                                               |      |       |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                   |       |                                                               |      |       |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                         |       |                                                               |      |       |      |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCOR-001/22                                                                                                                                                                                                                       |       | <b>Course title:</b><br>Elective Seminar on Organic Chemistry |      |       |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning                                                                  |       |                                                               |      |       |      |
| <b>Number of credits:</b> 2                                                                                                                                                                                                                                         |       |                                                               |      |       |      |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                                                                     |       |                                                               |      |       |      |
| <b>Educational level:</b> I.                                                                                                                                                                                                                                        |       |                                                               |      |       |      |
| <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: 206                                                                                                                                                                                           |       |                                                               |      |       |      |
| A                                                                                                                                                                                                                                                                   | B     | C                                                             | D    | E     | FX   |
| 36,89                                                                                                                                                                                                                                                               | 13,59 | 13,11                                                         | 9,71 | 10,19 | 16,5 |
| <b>Lecturers:</b> doc. Ing. Mária Mečiarová, PhD., doc. RNDr. Peter Magdolen, PhD., RNDr. Viera Poláčková, PhD., Mgr. Henrieta Stankovičová, PhD., Mgr. Tibor Peňaška, PhD., Mgr. Dominika Mravcová, PhD., Mgr. Viktória Némethová, PhD., Mgr. Bernard Mravec, PhD. |       |                                                               |      |       |      |
| <b>Last change:</b> 25.07.2022                                                                                                                                                                                                                                      |       |                                                               |      |       |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                                  |       |                                                               |      |       |      |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------|------|------|-------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |      |                                                               |      |      |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |      |                                                               |      |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |      |                                                               |      |      |       |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCOR-008/22                                                                                                                                                      |      | <b>Course title:</b><br>Elective Seminar on Organic Synthesis |      |      |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |      |                                                               |      |      |       |
| <b>Number of credits:</b> 2                                                                                                                                                                        |      |                                                               |      |      |       |
| <b>Recommended semester:</b> 2.                                                                                                                                                                    |      |                                                               |      |      |       |
| <b>Educational level:</b> I.                                                                                                                                                                       |      |                                                               |      |      |       |
| <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: 84                                                                                                                           |      |                                                               |      |      |       |
| A                                                                                                                                                                                                  | B    | C                                                             | D    | E    | FX    |
| 47,62                                                                                                                                                                                              | 8,33 | 13,1                                                          | 8,33 | 5,95 | 16,67 |
| <b>Lecturers:</b> doc. Ing. Mária Mečiarová, PhD., Mgr. Henrieta Stankovičová, PhD.                                                                                                                |      |                                                               |      |      |       |
| <b>Last change:</b> 25.07.2022                                                                                                                                                                     |      |                                                               |      |      |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |      |                                                               |      |      |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                                       |     |                                                 |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |     |                                                 |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |     |                                                 |     |     |     |
| <b>Course ID:</b><br>PriF.KAlCh/N-bCXX-043/22                                                                                                                                                                         |     | <b>Course title:</b><br>Environmental Chemistry |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 / 1 <b>per level/semester:</b> 26 / 13<br><b>Form of the course:</b> on-site learning |     |                                                 |     |     |     |
| <b>Number of credits:</b> 3                                                                                                                                                                                           |     |                                                 |     |     |     |
| <b>Recommended semester:</b> 4., 6.                                                                                                                                                                                   |     |                                                 |     |     |     |
| <b>Educational level:</b> I.                                                                                                                                                                                          |     |                                                 |     |     |     |
| <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                                                                                                                                                                                                                     | B   | C                                               | D   | E   | FX  |
| 100,0                                                                                                                                                                                                                 | 0,0 | 0,0                                             | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Radoslav Halko, PhD., RNDr. Renáta Górová, PhD., RNDr. Helena Jurdáková, PhD.                                                                                                            |     |                                                 |     |     |     |
| <b>Last change:</b> 26.09.2022                                                                                                                                                                                        |     |                                                 |     |     |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                    |     |                                                 |     |     |     |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------|-------|-------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                  |       |                                              |       |       |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                |       |                                              |       |       |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                      |       |                                              |       |       |      |
| <b>Course ID:</b><br>PriF.KGe/N-bBGE-012/22                                                                                                                                                                      |       | <b>Course title:</b><br>Evolutionary Biology |       |       |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning               |       |                                              |       |       |      |
| <b>Number of credits:</b> 3                                                                                                                                                                                      |       |                                              |       |       |      |
| <b>Recommended semester:</b> 3.                                                                                                                                                                                  |       |                                              |       |       |      |
| <b>Educational level:</b> I., P                                                                                                                                                                                  |       |                                              |       |       |      |
| <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: 792                                                                                                                                        |       |                                              |       |       |      |
| A                                                                                                                                                                                                                | B     | C                                            | D     | E     | FX   |
| 4,8                                                                                                                                                                                                              | 16,54 | 23,36                                        | 23,11 | 24,24 | 7,95 |
| <b>Lecturers:</b> prof. RNDr. Ľubomír Tomáška, DrSc., RNDr. Regina Sepšiová, PhD., doc. Mgr. Peter Mikulíček, PhD., doc. Mgr. Peter Vďačný, PhD., doc. RNDr. Ján Radvánszky, PhD., doc. RNDr. Marek Mentel, PhD. |       |                                              |       |       |      |
| <b>Last change:</b> 22.09.2022                                                                                                                                                                                   |       |                                              |       |       |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                               |       |                                              |       |       |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                       |       |                                                       |       |      |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                     |       |                                                       |       |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |       |                                                       |       |      |     |
| <b>Course ID:</b><br>PriF.KJCh/N-bCJD-042/22                                                                                                                                                          |       | <b>Course title:</b><br>Exercise in Nuclear chemistry |       |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 5 <b>per level/semester:</b> 65<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> I.                                                                                                                                                                          |       |                                                       |       |      |     |
| <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: 143                                                                                                                             |       |                                                       |       |      |     |
| A                                                                                                                                                                                                     | B     | C                                                     | D     | E    | FX  |
| 23,78                                                                                                                                                                                                 | 27,27 | 20,28                                                 | 16,08 | 8,39 | 4,2 |
| <b>Lecturers:</b> RNDr. Dominik Juračka, RNDr. Marek Hupian, prof. RNDr. Michal Galamboš, PhD.                                                                                                        |       |                                                       |       |      |     |
| <b>Last change:</b> 28.03.2023                                                                                                                                                                        |       |                                                       |       |      |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                    |       |                                                       |       |      |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                       |      |                                                            |      |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                     |      |                                                            |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |      |                                                            |      |      |      |
| <b>Course ID:</b><br>PriF.KFTCh/N-bCXX-026/22                                                                                                                                                         |      | <b>Course title:</b><br>Exercise in Physical Chemistry (1) |      |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 5 <b>per level/semester:</b> 65<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> I.                                                                                                                                                                          |      |                                                            |      |      |      |
| <b>Prerequisites:</b> PriF.KAlCh/N-bCXX-006/22 - Laboratory Technique                                                                                                                                 |      |                                                            |      |      |      |
| <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: 164                                                                                                                             |      |                                                            |      |      |      |
| A                                                                                                                                                                                                     | B    | C                                                          | D    | E    | FX   |
| 90,85                                                                                                                                                                                                 | 2,44 | 0,61                                                       | 0,61 | 0,61 | 4,88 |
| <b>Lecturers:</b> doc. RNDr. Ivan Valent, CSc., doc. Mgr. Pavel Neogrády, DrSc., Mgr. Daniel Furka, PhD., Mgr. Samuel Furka, PhD., Mgr. Dávid Vrška, PhD.                                             |      |                                                            |      |      |      |
| <b>Last change:</b> 19.09.2022                                                                                                                                                                        |      |                                                            |      |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                    |      |                                                            |      |      |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |     |                                                              |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |     |                                                              |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |     |                                                              |     |     |     |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-136/22                                                                                                                                                         |     | <b>Course title:</b><br>Fachdeutsch in Naturwissenschaften 1 |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |     |                                                              |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                        |     |                                                              |     |     |     |
| <b>Recommended semester:</b> 5.                                                                                                                                                                    |     |                                                              |     |     |     |
| <b>Educational level:</b> I., P                                                                                                                                                                    |     |                                                              |     |     |     |
| <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: 40                                                                                                                           |     |                                                              |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                            | D   | E   | FX  |
| 100,0                                                                                                                                                                                              | 0,0 | 0,0                                                          | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Karin Rózsová Wolfová                                                                                                                                                       |     |                                                              |     |     |     |
| <b>Last change:</b> 23.07.2022                                                                                                                                                                     |     |                                                              |     |     |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |     |                                                              |     |     |     |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------------------|-----|-----|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |     |                                                              |     |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |     |                                                              |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |     |                                                              |     |     |      |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-137/22                                                                                                                                                         |     | <b>Course title:</b><br>Fachdeutsch in Naturwissenschaften 2 |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |     |                                                              |     |     |      |
| <b>Number of credits:</b> 2                                                                                                                                                                        |     |                                                              |     |     |      |
| <b>Recommended semester:</b> 6.                                                                                                                                                                    |     |                                                              |     |     |      |
| <b>Educational level:</b> I., P                                                                                                                                                                    |     |                                                              |     |     |      |
| <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: 15                                                                                                                           |     |                                                              |     |     |      |
| A                                                                                                                                                                                                  | B   | C                                                            | D   | E   | FX   |
| 93,33                                                                                                                                                                                              | 0,0 | 0,0                                                          | 0,0 | 0,0 | 6,67 |
| <b>Lecturers:</b> Mgr. Karin Rózsová Wolfová                                                                                                                                                       |     |                                                              |     |     |      |
| <b>Last change:</b> 23.07.2022                                                                                                                                                                     |     |                                                              |     |     |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |     |                                                              |     |     |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                               |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                               |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                               |
| <b>Course ID:</b><br>PriF/N-bCXX-019/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Course title:</b><br>Fundamentals of Physics for Chemistry |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 / 2 <b>per level/semester:</b> 13 / 26<br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                               |
| <b>Number of credits:</b> 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                               |
| <b>Recommended semester:</b> 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                               |
| <b>Educational level:</b> I.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                               |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                               |
| <b>Course requirements:</b><br>continuous assessment: controlled test in the middle of the semester,<br>final assessment: written test,<br>Indicative rating scale: A 95%, B 90%, C 80%, D 70%, E 60%.<br>Credits will not be awarded to a student who obtains a grade of less than 60%.<br>Scale of assessment (preliminary/final): 20/80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                               |
| <b>Learning outcomes:</b><br>Extension and deepening of knowledge from selected parts of high school physics so that the student can use the acquired knowledge in solving physics problems and reach the required entry level required for the subject Physics for Chemistry in next term.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                               |
| <b>Class syllabus:</b><br>System of SI units, dimensional analysis. necessary mathematical apparatus, point mass and determination of its position in 1D, 2D, 3D; Mass point motions: velocity, acceleration, force, Newton's laws of dynamics. circular motion, oscillations and waves. Kinetic and potential energy, momentum, work, power, conservation laws in mechanics, torque, pressure, hydrostatics, hydrodynamics. Temperature, heat, gas statistics, thermodynamics. Gravitational field, Kepler's laws. Electric field, Coulomb's law, intensity and potential of el. field, el. voltage, homogeneous el. field, el. current and resistance. Magnetic field - a vector of magnetic induction, the force acting on an electric charge (current) in a magnetic field, electromagnetic induction, electromagnetic radiation, |                                                               |
| <b>Recommended literature:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                               |
| <b>Languages necessary to complete the course:</b><br>Slovak in combination with English (study literature also in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                               |
| <b>Notes:</b><br>The elective course is provided only in the winter semester and runs concurrently for students of chemistry, biochemistry and medical biology.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                               |

|                                                     |      |       |       |      |      |
|-----------------------------------------------------|------|-------|-------|------|------|
| <b>Past grade distribution</b>                      |      |       |       |      |      |
| Total number of evaluated students: 90              |      |       |       |      |      |
| A                                                   | B    | C     | D     | E    | FX   |
| 27,78                                               | 30,0 | 21,11 | 12,22 | 5,56 | 3,33 |
| <b>Lecturers:</b> doc. RNDr. Tomáš Roch, Dr. techn. |      |       |       |      |      |
| <b>Last change:</b> 18.10.2022                      |      |       |       |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.  |      |       |       |      |      |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------|-------|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |       |                                         |       |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                         |       |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                         |       |      |      |
| <b>Course ID:</b><br>PriF.KGe/N-bCXX-008/22                                                                                                                                                        |       | <b>Course title:</b><br>General Biology |       |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |       |                                         |       |      |      |
| <b>Number of credits:</b> 3                                                                                                                                                                        |       |                                         |       |      |      |
| <b>Recommended semester:</b> 4.                                                                                                                                                                    |       |                                         |       |      |      |
| <b>Educational level:</b> I., P                                                                                                                                                                    |       |                                         |       |      |      |
| <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: 218                                                                                                                          |       |                                         |       |      |      |
| A                                                                                                                                                                                                  | B     | C                                       | D     | E    | FX   |
| 58,26                                                                                                                                                                                              | 10,09 | 10,55                                   | 10,09 | 8,72 | 2,29 |
| <b>Lecturers:</b> prof. RNDr. Ľubomír Tomáška, DrSc.                                                                                                                                               |       |                                         |       |      |      |
| <b>Last change:</b> 14.07.2022                                                                                                                                                                     |       |                                         |       |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |       |                                         |       |      |      |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------|-------|------|-------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                       |       |                                           |       |      |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                           |       |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                           |       |      |       |
| <b>Course ID:</b><br>PriF.KAgCh/N-bCXX-010/22                                                                                                                                                                         |       | <b>Course title:</b><br>General Chemistry |       |      |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 4 / 2 <b>per level/semester:</b> 52 / 26<br><b>Form of the course:</b> on-site learning |       |                                           |       |      |       |
| <b>Number of credits:</b> 6                                                                                                                                                                                           |       |                                           |       |      |       |
| <b>Recommended semester:</b> 1.                                                                                                                                                                                       |       |                                           |       |      |       |
| <b>Educational level:</b> I.                                                                                                                                                                                          |       |                                           |       |      |       |
| <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: 246                                                                                                                                             |       |                                           |       |      |       |
| A                                                                                                                                                                                                                     | B     | C                                         | D     | E    | FX    |
| 12,6                                                                                                                                                                                                                  | 17,07 | 21,14                                     | 21,95 | 12,6 | 14,63 |
| <b>Lecturers:</b> Mgr. Lukáš Konečný, PhD., Mgr. Martin Motola, PhD.                                                                                                                                                  |       |                                           |       |      |       |
| <b>Last change:</b> 27.07.2022                                                                                                                                                                                        |       |                                           |       |      |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                    |       |                                           |       |      |       |

## COURSE DESCRIPTION

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------|-------|-------|-------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |                                  |       |       |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |                                  |       |       |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |                                  |       |       |       |
| <b>Course ID:</b><br>PriF.KGe/N-bBXX-037/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      | <b>Course title:</b><br>Genetics |       |       |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 26 / 26<br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                                                                                                                                                            |      |                                  |       |       |       |
| <b>Number of credits:</b> 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |                                  |       |       |       |
| <b>Recommended semester:</b> 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |                                  |       |       |       |
| <b>Educational level:</b> I.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |                                  |       |       |       |
| <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: 267                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |                                  |       |       |       |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | B    | C                                | D     | E     | FX    |
| 6,37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 7,12 | 17,98                            | 21,72 | 23,97 | 22,85 |
| <b>Lecturers:</b> doc. RNDr. Eliška Gálová, PhD., Mgr. Stanislav Kyzek, PhD., Mgr. Filip Červenák, PhD., Mgr. Ivana Kyzeková, PhD., Mgr. Katarína Procházková, PhD., prof. RNDr. Ľubomír Tomáška, DrSc., doc. RNDr. Vladimíra Džugasová, PhD., prof. RNDr. Andrea Ševčovičová, PhD., Mgr. Andrea Valentová, Mgr. Lucia Mentelová, PhD., Mgr. Veronika Vozáriková, PhD., Mgr. Kristína Mariničová, Mgr. Nina Mayerová, PhD., Mgr. Terézia Hromádková, Mgr. Zuzana Kubovčíková, Mgr. Peter Hergott, Mgr. Andrea Vetráková, Mgr. Rebeka Rusnáková, Mgr. Anna Oleksandrivna Martyrosian |      |                                  |       |       |       |
| <b>Last change:</b> 22.09.2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |                                  |       |       |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |                                  |       |       |       |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------------------------------|-----|-----|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                           |      |                                               |     |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                         |      |                                               |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                               |      |                                               |     |     |      |
| <b>Course ID:</b><br>PriF.KGe/N-XXXX-004/21                                                                                                                                                                                                                                                               |      | <b>Course title:</b><br>Genetics for everyone |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning                                                                                                        |      |                                               |     |     |      |
| <b>Number of credits:</b> 3                                                                                                                                                                                                                                                                               |      |                                               |     |     |      |
| <b>Recommended semester:</b> 2., 4., 6.                                                                                                                                                                                                                                                                   |      |                                               |     |     |      |
| <b>Educational level:</b> I., II., P                                                                                                                                                                                                                                                                      |      |                                               |     |     |      |
| <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: 1483                                                                                                                                                                                                                                |      |                                               |     |     |      |
| A                                                                                                                                                                                                                                                                                                         | B    | C                                             | D   | E   | FX   |
| 94,07                                                                                                                                                                                                                                                                                                     | 0,67 | 0,0                                           | 0,0 | 0,0 | 5,26 |
| <b>Lecturers:</b> RNDr. Regina Sepšiová, PhD., doc. Mgr. Miroslava Slaninová, Dr., Mgr. Filip Červenák, PhD., prof. RNDr. Andrea Ševčovičová, PhD., doc. RNDr. Eliška Gálová, PhD., Mgr. Stanislav Kyzek, PhD., Mgr. Mária Peťková, PhD., Mgr. Ivana Kyzeková, PhD., doc. RNDr. Vladimíra Džugasová, PhD. |      |                                               |     |     |      |
| <b>Last change:</b> 15.08.2025                                                                                                                                                                                                                                                                            |      |                                               |     |     |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                                                                        |      |                                               |     |     |      |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------|------|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                                                                                                      |      |                                                                     |      |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                    |      |                                                                     |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                          |      |                                                                     |      |      |      |
| <b>Course ID:</b><br>PriF.KRGRR/N-XXXX-001/21                                                                                                                                                                                                                                                                                                                                        |      | <b>Course title:</b><br>Geography of the World in the 21.st century |      |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 / 1 <b>per level/semester:</b> 13 / 13<br><b>Form of the course:</b> on-site learning                                                                                                                                                                |      |                                                                     |      |      |      |
| <b>Number of credits:</b> 3                                                                                                                                                                                                                                                                                                                                                          |      |                                                                     |      |      |      |
| <b>Recommended semester:</b> 2., 4., 6.                                                                                                                                                                                                                                                                                                                                              |      |                                                                     |      |      |      |
| <b>Educational level:</b> I., II., P                                                                                                                                                                                                                                                                                                                                                 |      |                                                                     |      |      |      |
| <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: 147                                                                                                                                                                                                                                                                                                            |      |                                                                     |      |      |      |
| A                                                                                                                                                                                                                                                                                                                                                                                    | B    | C                                                                   | D    | E    | FX   |
| 83,67                                                                                                                                                                                                                                                                                                                                                                                | 2,72 | 6,12                                                                | 0,68 | 0,68 | 6,12 |
| <b>Lecturers:</b> Mgr. Rastislav Cákoci, PhD., RNDr. Katarína Danielová, PhD., doc. RNDr. Daniel Gurňák, PhD., doc. RNDr. František Križan, PhD., doc. RNDr. Eva Rajčáková, CSc., Mgr. Michala Sládeková Madajová, PhD., RNDr. Angelika Švecová, PhD., doc. Mgr. Martin Šveda, PhD., prof. RNDr. Ladislav Tolmáči, PhD., RNDr. Mgr. Anna Tolmáči, PhD., Mgr. Gabriel Zubriczký, PhD. |      |                                                                     |      |      |      |
| <b>Last change:</b> 15.05.2021                                                                                                                                                                                                                                                                                                                                                       |      |                                                                     |      |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                                                                                                                                                   |      |                                                                     |      |      |      |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------|-----|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                          |     |                                             |     |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                        |     |                                             |     |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                              |     |                                             |     |      |      |
| <b>Course ID:</b><br>PriF.KGP/N-XXXX-007/21                                                                                                                                                                              |     | <b>Course title:</b><br>Geology in Nutshell |     |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture<br><b>Number of hours:</b><br><b>per week:</b> 1 / 2 <b>per level/semester:</b> 13 / 26<br><b>Form of the course:</b> on-site learning |     |                                             |     |      |      |
| <b>Number of credits:</b> 3                                                                                                                                                                                              |     |                                             |     |      |      |
| <b>Recommended semester:</b> 2., 4., 6.                                                                                                                                                                                  |     |                                             |     |      |      |
| <b>Educational level:</b> I., II., P                                                                                                                                                                                     |     |                                             |     |      |      |
| <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: 58                                                                                                                                                 |     |                                             |     |      |      |
| A                                                                                                                                                                                                                        | B   | C                                           | D   | E    | FX   |
| 89,66                                                                                                                                                                                                                    | 0,0 | 0,0                                         | 0,0 | 8,62 | 1,72 |
| <b>Lecturers:</b> prof. RNDr. Roman Aubrecht, Dr., prof. Mgr. Natália Hlavatá Hudáčková, PhD., doc. RNDr. Jozef Hók, CSc., doc. RNDr. Alexander Lačný, PhD., doc. RNDr. Jana Fridrichová, PhD., RNDr. Ondrej Nemec, PhD. |     |                                             |     |      |      |
| <b>Last change:</b> 20.01.2022                                                                                                                                                                                           |     |                                             |     |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                       |     |                                             |     |      |      |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------|-----|-----|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |     |                                                     |     |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |     |                                                     |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |     |                                                     |     |     |      |
| <b>Course ID:</b><br>PriF.KPI/N-XXXX-009/21                                                                                                                                                        |     | <b>Course title:</b><br>Global Environmental Issues |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |     |                                                     |     |     |      |
| <b>Number of credits:</b> 3                                                                                                                                                                        |     |                                                     |     |     |      |
| <b>Recommended semester:</b> 2., 4., 6.                                                                                                                                                            |     |                                                     |     |     |      |
| <b>Educational level:</b> I., II., P                                                                                                                                                               |     |                                                     |     |     |      |
| <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: 1126                                                                                                                         |     |                                                     |     |     |      |
| A                                                                                                                                                                                                  | B   | C                                                   | D   | E   | FX   |
| 90,5                                                                                                                                                                                               | 0,0 | 0,27                                                | 0,0 | 0,0 | 9,24 |
| <b>Lecturers:</b> doc. RNDr. Katarína Pavličková, CSc., prof. RNDr. Pavel Dlapa, PhD., doc. RNDr. Martina Zvaríková, PhD., doc. RNDr. Ľubomír Jurkovič, PhD.                                       |     |                                                     |     |     |      |
| <b>Last change:</b> 09.11.2022                                                                                                                                                                     |     |                                                     |     |     |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |     |                                                     |     |     |      |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------|-----|-----|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                          |     |                                            |     |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                        |     |                                            |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                              |     |                                            |     |     |      |
| <b>Course ID:</b><br>PriF.KEM/N-bXXX-001/22                                                                                                                                                                              |     | <b>Course title:</b><br>Green University 1 |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 26 / 26<br><b>Form of the course:</b> on-site learning |     |                                            |     |     |      |
| <b>Number of credits:</b> 2                                                                                                                                                                                              |     |                                            |     |     |      |
| <b>Recommended semester:</b> 1., 2., 3., 4., 5., 6..                                                                                                                                                                     |     |                                            |     |     |      |
| <b>Educational level:</b> I., P                                                                                                                                                                                          |     |                                            |     |     |      |
| <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: 123                                                                                                                                                |     |                                            |     |     |      |
| A                                                                                                                                                                                                                        | B   | C                                          | D   | E   | FX   |
| 96,75                                                                                                                                                                                                                    | 0,0 | 0,0                                        | 0,0 | 0,0 | 3,25 |
| <b>Lecturers:</b> RNDr. Jaroslav Bella, doc. Mgr. Miroslava Slaninová, Dr., RNDr. Hubert Žarnovičan, PhD., Mgr. Martin Šebesta, PhD.                                                                                     |     |                                            |     |     |      |
| <b>Last change:</b> 22.08.2022                                                                                                                                                                                           |     |                                            |     |     |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                       |     |                                            |     |     |      |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                          |     |                                            |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                        |     |                                            |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                              |     |                                            |     |     |     |
| <b>Course ID:</b><br>PriF.KEM/N-bXXX-002/22                                                                                                                                                                              |     | <b>Course title:</b><br>Green University 2 |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 26 / 26<br><b>Form of the course:</b> on-site learning |     |                                            |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                                              |     |                                            |     |     |     |
| <b>Recommended semester:</b> 1., 2., 3., 4., 5., 6..                                                                                                                                                                     |     |                                            |     |     |     |
| <b>Educational level:</b> I., P                                                                                                                                                                                          |     |                                            |     |     |     |
| <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: 80                                                                                                                                                 |     |                                            |     |     |     |
| A                                                                                                                                                                                                                        | B   | C                                          | D   | E   | FX  |
| 92,5                                                                                                                                                                                                                     | 0,0 | 0,0                                        | 0,0 | 0,0 | 7,5 |
| <b>Lecturers:</b> RNDr. Jaroslav Bella, doc. Mgr. Miroslava Slaninová, Dr., Mgr. Martin Šebesta, PhD.,<br>RNDr. Hubert Žarnovičan, PhD.                                                                                  |     |                                            |     |     |     |
| <b>Last change:</b> 22.08.2022                                                                                                                                                                                           |     |                                            |     |     |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                       |     |                                            |     |     |     |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------|-----|-----|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                       |      |                                                                                  |     |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |      |                                                                                  |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |      |                                                                                  |     |     |      |
| <b>Course ID:</b><br>PriF.KAlCh/N-bCXX-008/22                                                                                                                                                                         |      | <b>Course title:</b><br>Identification and Quantification of Chemical Substances |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 / 1 <b>per level/semester:</b> 13 / 13<br><b>Form of the course:</b> on-site learning |      |                                                                                  |     |     |      |
| <b>Number of credits:</b> 2                                                                                                                                                                                           |      |                                                                                  |     |     |      |
| <b>Recommended semester:</b> 3.                                                                                                                                                                                       |      |                                                                                  |     |     |      |
| <b>Educational level:</b> I.                                                                                                                                                                                          |      |                                                                                  |     |     |      |
| <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: 31                                                                                                                                              |      |                                                                                  |     |     |      |
| A                                                                                                                                                                                                                     | B    | C                                                                                | D   | E   | FX   |
| 83,87                                                                                                                                                                                                                 | 12,9 | 0,0                                                                              | 0,0 | 0,0 | 3,23 |
| <b>Lecturers:</b> doc. RNDr. Andrea Vojs Staňová, PhD., doc. RNDr. Róbert Góra, PhD., doc. RNDr. Róbert Bodor, PhD., prof. RNDr. Marian Masár, PhD., doc. RNDr. Radoslav Halko, PhD.                                  |      |                                                                                  |     |     |      |
| <b>Last change:</b> 30.09.2022                                                                                                                                                                                        |      |                                                                                  |     |     |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                    |      |                                                                                  |     |     |      |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |     |                                    |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |     |                                    |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |     |                                    |     |     |     |
| <b>Course ID:</b><br>PriF.KMV/N-bBXX-030/22                                                                                                                                                        |     | <b>Course title:</b><br>Immunology |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |     |                                    |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                        |     |                                    |     |     |     |
| <b>Recommended semester:</b> 4.                                                                                                                                                                    |     |                                    |     |     |     |
| <b>Educational level:</b> I.                                                                                                                                                                       |     |                                    |     |     |     |
| <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                                                                                                                                                                                                  | B   | C                                  | D   | E   | FX  |
| 0,0                                                                                                                                                                                                | 0,0 | 0,0                                | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Miroslava Šupolíková, PhD., doc. RNDr. Tatiana Betáková, DrSc.                                                                                                        |     |                                    |     |     |     |
| <b>Last change:</b> 12.09.2022                                                                                                                                                                     |     |                                    |     |     |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |     |                                    |     |     |     |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------|-----|-------|-----|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                       |       |                                                           |     |       |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                                           |     |       |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                                           |     |       |     |
| <b>Course ID:</b><br>PriF.KAlCh/N-bCAL-037/22                                                                                                                                                                         |       | <b>Course title:</b><br>Introduction to Mass Spectrometry |     |       |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 / 1 <b>per level/semester:</b> 13 / 13<br><b>Form of the course:</b> on-site learning |       |                                                           |     |       |     |
| <b>Number of credits:</b> 2                                                                                                                                                                                           |       |                                                           |     |       |     |
| <b>Recommended semester:</b> 5.                                                                                                                                                                                       |       |                                                           |     |       |     |
| <b>Educational level:</b> I.                                                                                                                                                                                          |       |                                                           |     |       |     |
| <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                                                                                                                                                                                                                     | B     | C                                                         | D   | E     | FX  |
| 50,0                                                                                                                                                                                                                  | 33,33 | 0,0                                                       | 0,0 | 16,67 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Andrea Vojs Staňová, PhD.                                                                                                                                                                |       |                                                           |     |       |     |
| <b>Last change:</b> 30.09.2022                                                                                                                                                                                        |       |                                                           |     |       |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                    |       |                                                           |     |       |     |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------|------|-----|-----|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                       |       |                                                                                  |      |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                                                                  |      |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                                                                  |      |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/N_bCFZ-042/22                                                                                                                                                                         |       | <b>Course title:</b><br>Introduction to Mathematical Processing of Chemical Data |      |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 / 1 <b>per level/semester:</b> 13 / 13<br><b>Form of the course:</b> on-site learning |       |                                                                                  |      |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                                           |       |                                                                                  |      |     |     |
| <b>Recommended semester:</b> 4.                                                                                                                                                                                       |       |                                                                                  |      |     |     |
| <b>Educational level:</b> I.                                                                                                                                                                                          |       |                                                                                  |      |     |     |
| <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: 29                                                                                                                                              |       |                                                                                  |      |     |     |
| A                                                                                                                                                                                                                     | B     | C                                                                                | D    | E   | FX  |
| 58,62                                                                                                                                                                                                                 | 20,69 | 17,24                                                                            | 3,45 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. Mgr. Michal Pitoňák, PhD., doc. Ing. Roman Szücs, PhD.                                                                                                                                         |       |                                                                                  |      |     |     |
| <b>Last change:</b> 17.10.2022                                                                                                                                                                                        |       |                                                                                  |      |     |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                    |       |                                                                                  |      |     |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                                                                                                                       |       |                                              |      |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                     |       |                                              |      |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                           |       |                                              |      |     |      |
| <b>Course ID:</b><br>PriF.KAlCh/N-bCXX-006/22                                                                                                                                                                                                                                                                                                                                                         |       | <b>Course title:</b><br>Laboratory Technique |      |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 4 <b>per level/semester:</b> 52<br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                 |       |                                              |      |     |      |
| <b>Number of credits:</b> 4                                                                                                                                                                                                                                                                                                                                                                           |       |                                              |      |     |      |
| <b>Recommended semester:</b> 1.                                                                                                                                                                                                                                                                                                                                                                       |       |                                              |      |     |      |
| <b>Educational level:</b> I.                                                                                                                                                                                                                                                                                                                                                                          |       |                                              |      |     |      |
| <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: 251                                                                                                                                                                                                                                                                                                                             |       |                                              |      |     |      |
| A                                                                                                                                                                                                                                                                                                                                                                                                     | B     | C                                            | D    | E   | FX   |
| 43,03                                                                                                                                                                                                                                                                                                                                                                                                 | 37,85 | 9,56                                         | 1,99 | 0,8 | 6,77 |
| <b>Lecturers:</b> doc. RNDr. Radoslav Halko, PhD., RNDr. Jana Chrappová, PhD., doc. RNDr. Monika Jerigová, PhD., RNDr. Viera Poláčková, PhD., Mgr. Henrieta Stankovičová, PhD., Mgr. Peter Šramel, PhD., Mgr. Tibor Peňaška, PhD., Mgr. Dominika Lacušková, RNDr. Katarína Chovancová, PhD., Mgr. Iveta Boháčová, PhD., RNDr. Lenka Lorencová, PhD., Ing. Tomáš Čarný, PhD., Mgr. Robert Michal, PhD. |       |                                              |      |     |      |
| <b>Last change:</b> 25.07.2022                                                                                                                                                                                                                                                                                                                                                                        |       |                                              |      |     |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                                                                                                                                                                    |       |                                              |      |     |      |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------|-----|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |       |                               |     |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                               |     |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                               |     |      |      |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-138/22                                                                                                                                                         |       | <b>Course title:</b><br>Latin |     |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |       |                               |     |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                        |       |                               |     |      |      |
| <b>Recommended semester:</b> 1., 2..                                                                                                                                                               |       |                               |     |      |      |
| <b>Educational level:</b> I., P                                                                                                                                                                    |       |                               |     |      |      |
| <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: 448                                                                                                                          |       |                               |     |      |      |
| A                                                                                                                                                                                                  | B     | C                             | D   | E    | FX   |
| 58,93                                                                                                                                                                                              | 20,76 | 7,81                          | 2,9 | 2,23 | 7,37 |
| <b>Lecturers:</b> Mgr. Ivan Lábaj, PhD., RNDr. Tatiana Slováková, PhD.                                                                                                                             |       |                               |     |      |      |
| <b>Last change:</b> 07.11.2022                                                                                                                                                                     |       |                               |     |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |       |                               |     |      |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |                                                     |     |      |      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------|-----|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |                                                     |     |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                        |     |                                                     |     |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                              |     |                                                     |     |      |      |
| <b>Course ID:</b><br>PriF.KPI/N-XXXX-008/21                                                                                                                                                                                                                                                                                                                                                                                                                              |     | <b>Course title:</b><br>Man as a part of the nature |     |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                                                                       |     |                                                     |     |      |      |
| <b>Number of credits:</b> 3                                                                                                                                                                                                                                                                                                                                                                                                                                              |     |                                                     |     |      |      |
| <b>Recommended semester:</b> 1., 3., 5.                                                                                                                                                                                                                                                                                                                                                                                                                                  |     |                                                     |     |      |      |
| <b>Educational level:</b> I., II., P                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                                                     |     |      |      |
| <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: 1660                                                                                                                                                                                                                                                                                                                                                                                               |     |                                                     |     |      |      |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | B   | C                                                   | D   | E    | FX   |
| 90,72                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0,3 | 0,0                                                 | 0,0 | 0,06 | 8,92 |
| <b>Lecturers:</b> doc. RNDr. Martina Zvaríková, PhD., prof. RNDr. Pavel Dlapa, PhD., RNDr. Malvína Reiffers Čierniková, PhD., prof. PaedDr. Pavol Prokop, DrSc., prof. RNDr. Peter Fedor, DrSc., prof. Ing. Eva Chmielewská, CSc., RNDr. Martin Labuda, PhD., doc. RNDr. Eva Pauditšová, PhD., RNDr. Hubert Žarnovičan, PhD., doc. RNDr. Stanislav Rapant, DrSc., doc. RNDr. Ľubomír Jurkovič, PhD., doc. Mgr. Tomáš Lánczos, PhD., doc. RNDr. Katarína Pavličková, CSc. |     |                                                     |     |      |      |
| <b>Last change:</b> 09.11.2022                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |                                                     |     |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                                                                                                                                                                                                                                       |     |                                                     |     |      |      |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |
| <b>Course ID:</b><br>PriF/N-bCXX-150/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Course title:</b><br>Mathematics for the Chemistry |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 4 / 3 <b>per level/semester:</b> 52 / 39<br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                                                                                                                                                                  |                                                       |
| <b>Number of credits:</b> 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                       |
| <b>Recommended semester:</b> 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                       |
| <b>Educational level:</b> I.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                       |
| <b>Course requirements:</b><br>Continuous assessment: 3 written tests, activity on lessons (all together 60 points).<br>Final assessment: written test (40 points).<br>Indicative grading scale: A 92%, B 84%, C 76%, D 68%, E 60%<br>Scale of assessment (preliminary/final): 60/40                                                                                                                                                                                                                                                                                                   |                                                       |
| <b>Learning outcomes:</b><br>By passing, student obtains basic knowledge in higher mathematics and the ability to individually study academic literature in his programme with mathematical calculations.                                                                                                                                                                                                                                                                                                                                                                              |                                                       |
| <b>Class syllabus:</b><br>Real numbers. Complex numbers. Basics of linear algebra. Vectors. Sequence, limit of sequence. Function of real variable. Limit of a function, continuity. Derivation of a function. Function and its properties. Taylor expansion. Indefinite integral, antiderivative. Methods of calculating indefinite integrals. Definite integral, calculations by indefinite integrals. Applications of definite integral. Improper integrals. Functions of multiple variables. Partial derivatives. Double integral. Curves, line integrals. Differential equations. |                                                       |
| <b>Recommended literature:</b><br>Smítalová, K. a kol. Matematika pre nematematické smery Prírodovedeckej fakulty UK. 1991.<br>Ivan, J. Matematika 1. Bratislava: Alfa, 1983.<br>Ivan, J. Matematika 2. Bratislava: Alfa, 1989.<br>Eliaš, J., Horváth, J., Kajan, J. Zbierka úloh z vyššej matematiky 1, 2, 3, 4. Bratislava: Alfa, 1966.<br>Krajňáková, D., Míčka, J., Macháčová, L. Zbierka úloh z matematiky. Bratislava: Alfa, 1988.                                                                                                                                               |                                                       |
| <b>Languages necessary to complete the course:</b><br>slovak                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |
| <b>Notes:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                       |

|                                                                                                                                   |      |      |       |       |       |
|-----------------------------------------------------------------------------------------------------------------------------------|------|------|-------|-------|-------|
| <b>Past grade distribution</b>                                                                                                    |      |      |       |       |       |
| Total number of evaluated students: 259                                                                                           |      |      |       |       |       |
| A                                                                                                                                 | B    | C    | D     | E     | FX    |
| 11,58                                                                                                                             | 9,65 | 6,95 | 19,69 | 26,25 | 25,87 |
| <b>Lecturers:</b> RNDr. Kristína Rostás, PhD., Mgr. Daša Červeňová, Mgr. Patrik Rezák, Mgr. Tomáš Rudinský, Mgr. Lívia Sobinovská |      |      |       |       |       |
| <b>Last change:</b> 27.11.2025                                                                                                    |      |      |       |       |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                |      |      |       |       |       |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------|------|-------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                       |      |                                                 |      |       |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |      |                                                 |      |       |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |      |                                                 |      |       |      |
| <b>Course ID:</b><br>PriF.KBCh/N-bCBI-015/22                                                                                                                                                                          |      | <b>Course title:</b><br>Methods in Biochemistry |      |       |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 26 / 26<br><b>Form of the course:</b> on-site learning |      |                                                 |      |       |      |
| <b>Number of credits:</b> 4                                                                                                                                                                                           |      |                                                 |      |       |      |
| <b>Recommended semester:</b> 5.                                                                                                                                                                                       |      |                                                 |      |       |      |
| <b>Educational level:</b> I.                                                                                                                                                                                          |      |                                                 |      |       |      |
| <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: 88                                                                                                                                              |      |                                                 |      |       |      |
| A                                                                                                                                                                                                                     | B    | C                                               | D    | E     | FX   |
| 22,73                                                                                                                                                                                                                 | 12,5 | 25,0                                            | 12,5 | 21,59 | 5,68 |
| <b>Lecturers:</b> Mgr. Stanislav Huszár, PhD., Mgr. Petra Chovančíková, PhD., Mgr. Peter Baráth, PhD.                                                                                                                 |      |                                                 |      |       |      |
| <b>Last change:</b> 08.08.2025                                                                                                                                                                                        |      |                                                 |      |       |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                    |      |                                                 |      |       |      |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |      |                                                      |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |      |                                                      |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |      |                                                      |     |     |     |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCXX-023/22                                                                                                                                                      |      | <b>Course title:</b><br>Methods in Chemical Research |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 1 <b>per level/semester:</b> 13<br><b>Form of the course:</b> on-site learning |      |                                                      |     |     |     |
| <b>Number of credits:</b> 1                                                                                                                                                                        |      |                                                      |     |     |     |
| <b>Recommended semester:</b> 6.                                                                                                                                                                    |      |                                                      |     |     |     |
| <b>Educational level:</b> I.                                                                                                                                                                       |      |                                                      |     |     |     |
| <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                                                                                                                                                                                                  | B    | C                                                    | D   | E   | FX  |
| 50,0                                                                                                                                                                                               | 25,0 | 25,0                                                 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Radoslav Halko, PhD., doc. RNDr. Martin Putala, CSc., doc. RNDr. Erik Rakovský, PhD., RNDr. Monika Stupavská, PhD., Ing. Blanka Kubíková, PhD.                        |      |                                                      |     |     |     |
| <b>Last change:</b> 07.08.2025                                                                                                                                                                     |      |                                                      |     |     |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |      |                                                      |     |     |     |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                               |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                               |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                               |
| <b>Course ID:</b><br>PriF.KBCh/N-bCBI-023/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Course title:</b><br>Methods in Molecular and Cell Biology |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 26 / 26<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: lecture / seminar<br>Number of contact hours:<br>per week: 2/2 per level/semester: 22 / 22<br>Form of the course: on-site learning, remote                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                               |
| <b>Number of credits:</b> 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                               |
| <b>Recommended semester:</b> 6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                               |
| <b>Educational level:</b> I., P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                               |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                               |
| <b>Course requirements:</b><br>There will be regular written tests during the semester. Credits will not be awarded to a student who gets less than 60% of the total marks in these tests. The subject will be completed by oral exam. The evaluation will be awarded as follows: A - excellent results, B - above average work, C - normal reliable work, D - acceptable results, E - results meeting the minimum criteria, Fx - insufficient results (unacceptably weak knowledge corresponding to less than 60% of the required subject range ).<br>Scale of assessment (preliminary/final): 0 / 100                                                                                                                                                                                                                                 |                                                               |
| <b>Learning outcomes:</b><br>After completing the course, students will have an overview of key methods and experimental approaches used in molecular and cell biology.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                               |
| <b>Class syllabus:</b><br>Principles of preparation of recombinant DNA molecules. Construction of gene libraries (genomic and cDNA). Properties and types of vectors. Recombinant selection and analysis.<br>Enzymes in recombinant DNA techniques.<br>Nucleic acid hybridization and preparation of molecular probes. Labeling of DNA and RNA molecules, radioactive and non-radioactive techniques. Southern and Northern blotting, in situ hybridization, subtractive hybridization, PNA and antisense probes. DNA microchip technology.<br>Polymerase chain reaction (PCR). Principle and variations of the technique: asymmetric PCR, inverse PCR, reverse transcriptase PCR, quantitative PCR. Isothermal amplification of nucleic acids.<br>Nucleic acid sequencing. First, second and third generation sequencing technologies. |                                                               |

| <p>In vitro and in vivo mutagenesis. Methods of site-directed mutagenesis and its practical use. Gene disruptions and gene replacements.</p> <p>Molecular evolution in vitro. Preparation of aptamers and nucleic acids with catalytic activity in vitro. SELEX.</p> <p>Principles of heterologous gene expression. Expression systems. Host strains. DNA transfer techniques into cells. Preparation of recombinant proteins.</p> <p>Methods for isolation and investigation of proteins (electrophoretic methods, native and denaturing electrophoresis, isoelectric focusing, chromatographic methods, Western blotting, immunological methods).</p> <p>Methods of protein interaction analysis (DNA-protein, RNA-protein, protein-protein: DNase I footprinting, gel retardation, NC filter binding assay, one-, two- and three-hybrid system, reverse two-hybrid system, chemical crosslinking).</p> <p>Microscopic methods (light, fluorescence and electron microscopy, use of green fluorescent protein).</p> |       |       |      |      |      |   |   |   |   |   |    |       |       |       |      |      |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|------|------|------|---|---|---|---|---|----|-------|-------|-------|------|------|------|
| <p><b>Recommended literature:</b></p> <p>Watson et al. (2007) Recombinant DNA: Genes and Genomes – A short course. 3rd edition. CSHL Press.</p> <p>Alberts et al. (2014) Molecular Biology of the Cell, Garland Science.</p> <p>Lodish et al. (2016) Molecular Cell Biology. 8th Edition, W. H. Freeman and Company.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |       |      |      |      |   |   |   |   |   |    |       |       |       |      |      |      |
| <p><b>Languages necessary to complete the course:</b></p> <p>Slovak in combination with English (textbooks in English)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |       |      |      |      |   |   |   |   |   |    |       |       |       |      |      |      |
| <p><b>Notes:</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       |       |      |      |      |   |   |   |   |   |    |       |       |       |      |      |      |
| <p><b>Past grade distribution</b></p> <p>Total number of evaluated students: 97</p> <table border="1"> <thead> <tr> <th>A</th><th>B</th><th>C</th><th>D</th><th>E</th><th>FX</th></tr> </thead> <tbody> <tr> <td>50,52</td><td>20,62</td><td>15,46</td><td>7,22</td><td>5,15</td><td>1,03</td></tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |       |      |      |      | A | B | C | D | E | FX | 50,52 | 20,62 | 15,46 | 7,22 | 5,15 | 1,03 |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | B     | C     | D    | E    | FX   |   |   |   |   |   |    |       |       |       |      |      |      |
| 50,52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 20,62 | 15,46 | 7,22 | 5,15 | 1,03 |   |   |   |   |   |    |       |       |       |      |      |      |
| <p><b>Lecturers:</b> doc. Mgr. Peter Polčic, PhD., Ing. Martina Neboháčová, PhD., prof. RNDr. Jozef Nosek, DrSc., Mgr. Katarína Procházková, PhD.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |       |      |      |      |   |   |   |   |   |    |       |       |       |      |      |      |
| <p><b>Last change:</b> 07.10.2022</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |       |      |      |      |   |   |   |   |   |    |       |       |       |      |      |      |
| <p><b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |       |      |      |      |   |   |   |   |   |    |       |       |       |      |      |      |

## COURSE DESCRIPTION

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------|------|-----|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                                                           |       |                                                   |      |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                         |       |                                                   |      |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                               |       |                                                   |      |     |      |
| <b>Course ID:</b><br>PriF.KMV/N-bCXX-009/22                                                                                                                                                                                                                                                                                               |       | <b>Course title:</b><br>Microbiology and Virology |      |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 26 / 26<br><b>Form of the course:</b> on-site learning                                                                                                                  |       |                                                   |      |     |      |
| <b>Number of credits:</b> 4                                                                                                                                                                                                                                                                                                               |       |                                                   |      |     |      |
| <b>Recommended semester:</b> 3.                                                                                                                                                                                                                                                                                                           |       |                                                   |      |     |      |
| <b>Educational level:</b> I.                                                                                                                                                                                                                                                                                                              |       |                                                   |      |     |      |
| <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: 264                                                                                                                                                                                                                                                                 |       |                                                   |      |     |      |
| A                                                                                                                                                                                                                                                                                                                                         | B     | C                                                 | D    | E   | FX   |
| 46,97                                                                                                                                                                                                                                                                                                                                     | 26,52 | 12,12                                             | 6,82 | 5,3 | 2,27 |
| <b>Lecturers:</b> prof. RNDr. Helena Bujdáková, CSc., prof. RNDr. Yvetta Gbelská, CSc., doc. RNDr. Katarína Šoltys, PhD., doc. RNDr. Miroslava Šupolíková, PhD., RNDr. Kamila Koči, PhD., PhDr. Eva Nováková, doc. RNDr. Nora Tóth Hervay, PhD., RNDr. Jana Blaškovičová, PhD., Mgr. Katarína Bilská, PhD., RNDr. Alexandra Konečná, PhD. |       |                                                   |      |     |      |
| <b>Last change:</b> 12.09.2022                                                                                                                                                                                                                                                                                                            |       |                                                   |      |     |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                                                                                                        |       |                                                   |      |     |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                    |       |                                           |       |      |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------|-------|------|-------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                    |       |                                           |       |      |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                  |       |                                           |       |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                        |       |                                           |       |      |       |
| <b>Course ID:</b><br>PriF.KOrCh/N-bBXX-026/22                                                                                                                                                                                                      |       | <b>Course title:</b><br>Natural Compounds |       |      |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 / 1 <b>per level/semester:</b> 13 / 13<br><b>Form of the course:</b> on-site learning                              |       |                                           |       |      |       |
| <b>Type, volume, methods and workload of the student - additional information</b><br>Forma výučby: prednáška / seminár<br>Odporúčaný rozsah výučby (v hodinách):<br>Týždenný: 1 h / 1 h Za obdobie štúdia: 13 h / 13 h<br>Metóda štúdia: prezenčná |       |                                           |       |      |       |
| <b>Number of credits:</b> 2                                                                                                                                                                                                                        |       |                                           |       |      |       |
| <b>Recommended semester:</b> 3.                                                                                                                                                                                                                    |       |                                           |       |      |       |
| <b>Educational level:</b> I., P                                                                                                                                                                                                                    |       |                                           |       |      |       |
| <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: 54                                                                                                                                                                           |       |                                           |       |      |       |
| A                                                                                                                                                                                                                                                  | B     | C                                         | D     | E    | FX    |
| 35,19                                                                                                                                                                                                                                              | 22,22 | 11,11                                     | 12,96 | 7,41 | 11,11 |
| <b>Lecturers:</b> Mgr. Ambroz Almásky, PhD.                                                                                                                                                                                                        |       |                                           |       |      |       |
| <b>Last change:</b> 14.09.2022                                                                                                                                                                                                                     |       |                                           |       |      |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                 |       |                                           |       |      |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                                                                    |     |                                                         |     |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                    |     |                                                         |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                  |     |                                                         |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                        |     |                                                         |     |     |     |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCOR-023/22                                                                                                                                                                                                                                                      |     | <b>Course title:</b><br>New Trends in Organic Chemistry |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 / 1 <b>per level/semester:</b> 13 / 13<br><b>Form of the course:</b> on-site learning                                                                              |     |                                                         |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                                                                                                                        |     |                                                         |     |     |     |
| <b>Recommended semester:</b> 3.                                                                                                                                                                                                                                                                    |     |                                                         |     |     |     |
| <b>Educational level:</b> I.                                                                                                                                                                                                                                                                       |     |                                                         |     |     |     |
| <b>Prerequisites:</b> PriF.KOrCh/N-bCXX-047/22 - Organic Chemistry 1                                                                                                                                                                                                                               |     |                                                         |     |     |     |
| <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: 16                                                                                                                                                                                                                           |     |                                                         |     |     |     |
| A                                                                                                                                                                                                                                                                                                  | B   | C                                                       | D   | E   | FX  |
| 100,0                                                                                                                                                                                                                                                                                              | 0,0 | 0,0                                                     | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Martin Putala, CSc., doc. RNDr. Andrej Boháč, CSc., doc. RNDr. Peter Magdolen, PhD., RNDr. Marek Cigáň, PhD., Mgr. Henrieta Stankovičová, PhD., prof. Mgr. Radovan Šebesta, DrSc., doc. Ing. Mária Mečiarová, PhD., Mgr. Peter Šramel, PhD., Mgr. Tibor Peňaška, PhD. |     |                                                         |     |     |     |
| <b>Last change:</b> 21.09.2022                                                                                                                                                                                                                                                                     |     |                                                         |     |     |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                                                                 |     |                                                         |     |     |     |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                       |     |                                                            |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |     |                                                            |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |     |                                                            |     |     |     |
| <b>Course ID:</b><br>PriF.LPM/N-bLPM-049/22                                                                                                                                                                           |     | <b>Course title:</b><br>Nové trendy v materiállovej chémii |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 / 1 <b>per level/semester:</b> 13 / 13<br><b>Form of the course:</b> on-site learning |     |                                                            |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                                           |     |                                                            |     |     |     |
| <b>Recommended semester:</b> 3.                                                                                                                                                                                       |     |                                                            |     |     |     |
| <b>Educational level:</b> I.                                                                                                                                                                                          |     |                                                            |     |     |     |
| <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                                                                                                                                                                                                                     | B   | C                                                          | D   | E   | FX  |
| 0,0                                                                                                                                                                                                                   | 0,0 | 0,0                                                        | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> RNDr. Milan Sýkora, PhD., MBA, Mgr. Roman Bystrický, PhD., doc. Mgr. Olivier Monfort, PhD., Mgr. Martin Motola, PhD., prof. RNDr. Gustáv Plesch, DrSc.                                              |     |                                                            |     |     |     |
| <b>Last change:</b> 06.11.2022                                                                                                                                                                                        |     |                                                            |     |     |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                    |     |                                                            |     |     |     |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------|-------|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                       |       |                                             |       |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                             |       |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                             |       |      |      |
| <b>Course ID:</b><br>PriF.KJCh/N-bCJD-029/22                                                                                                                                                                          |       | <b>Course title:</b><br>Nuclear chemistry 1 |       |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 / 1 <b>per level/semester:</b> 26 / 13<br><b>Form of the course:</b> on-site learning |       |                                             |       |      |      |
| <b>Number of credits:</b> 3                                                                                                                                                                                           |       |                                             |       |      |      |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                       |       |                                             |       |      |      |
| <b>Educational level:</b> I.                                                                                                                                                                                          |       |                                             |       |      |      |
| <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: 150                                                                                                                                             |       |                                             |       |      |      |
| A                                                                                                                                                                                                                     | B     | C                                           | D     | E    | FX   |
| 14,0                                                                                                                                                                                                                  | 10,67 | 22,0                                        | 17,33 | 24,0 | 12,0 |
| <b>Lecturers:</b> prof. RNDr. Michal Galamboš, PhD., doc. RNDr. Eva Viglašová, PhD.                                                                                                                                   |       |                                             |       |      |      |
| <b>Last change:</b> 17.04.2023                                                                                                                                                                                        |       |                                             |       |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                    |       |                                             |       |      |      |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------|-----|-----|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |       |                                                                  |     |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                                  |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                                  |     |     |      |
| <b>Course ID:</b><br>PriF.KAlCh/N-bCXX-018/22                                                                                                                                                      |       | <b>Course title:</b><br>Optional Seminar in Analytical Chemistry |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 <b>per level/semester:</b> 13<br><b>Form of the course:</b> on-site learning |       |                                                                  |     |     |      |
| <b>Number of credits:</b> 1                                                                                                                                                                        |       |                                                                  |     |     |      |
| <b>Recommended semester:</b> 4.                                                                                                                                                                    |       |                                                                  |     |     |      |
| <b>Educational level:</b> I.                                                                                                                                                                       |       |                                                                  |     |     |      |
| <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: 106                                                                                                                          |       |                                                                  |     |     |      |
| A                                                                                                                                                                                                  | B     | C                                                                | D   | E   | FX   |
| 86,79                                                                                                                                                                                              | 12,26 | 0,0                                                              | 0,0 | 0,0 | 0,94 |
| <b>Lecturers:</b> doc. RNDr. Róbert Bodor, PhD., doc. RNDr. Radoslav Halko, PhD.                                                                                                                   |       |                                                                  |     |     |      |
| <b>Last change:</b> 12.12.2022                                                                                                                                                                     |       |                                                                  |     |     |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |       |                                                                  |     |     |      |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------|-----|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |       |                                                                 |     |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                                 |     |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                                 |     |      |      |
| <b>Course ID:</b><br>PriF.KAgCh/N-bCAG-023/22                                                                                                                                                      |       | <b>Course title:</b><br>Optional Seminar in Inorganic Chemistry |     |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |       |                                                                 |     |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                        |       |                                                                 |     |      |      |
| <b>Recommended semester:</b> 2.                                                                                                                                                                    |       |                                                                 |     |      |      |
| <b>Educational level:</b> I.                                                                                                                                                                       |       |                                                                 |     |      |      |
| <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: 45                                                                                                                           |       |                                                                 |     |      |      |
| A                                                                                                                                                                                                  | B     | C                                                               | D   | E    | FX   |
| 42,22                                                                                                                                                                                              | 15,56 | 26,67                                                           | 0,0 | 6,67 | 8,89 |
| <b>Lecturers:</b> RNDr. Jana Chrappová, PhD.                                                                                                                                                       |       |                                                                 |     |      |      |
| <b>Last change:</b> 09.10.2022                                                                                                                                                                     |       |                                                                 |     |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |       |                                                                 |     |      |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                |     |                                             |       |       |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                              |     |                                             |       |       |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                    |     |                                             |       |       |       |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCXX-047/22                                                                                                                                                                                                                                                  |     | <b>Course title:</b><br>Organic Chemistry 1 |       |       |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 4 / 2 <b>per level/semester:</b> 52 / 26<br><b>Form of the course:</b> on-site learning                                                                          |     |                                             |       |       |       |
| <b>Number of credits:</b> 6                                                                                                                                                                                                                                                                    |     |                                             |       |       |       |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                                                                                                |     |                                             |       |       |       |
| <b>Educational level:</b> I.                                                                                                                                                                                                                                                                   |     |                                             |       |       |       |
| <b>Prerequisites:</b> PriF.KAgCh/N-bCXX-010/22 - General Chemistry                                                                                                                                                                                                                             |     |                                             |       |       |       |
| <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: 179                                                                                                                                                                                                                      |     |                                             |       |       |       |
| A                                                                                                                                                                                                                                                                                              | B   | C                                           | D     | E     | FX    |
| 15,64                                                                                                                                                                                                                                                                                          | 6,7 | 10,61                                       | 10,06 | 20,11 | 36,87 |
| <b>Lecturers:</b> doc. Ing. Mária Mečiarová, PhD., doc. RNDr. Peter Magdolen, PhD., Mgr. Henrieta Stankovičová, PhD., RNDr. Viera Poláčková, PhD., Mgr. Bernard Mravec, PhD., Mgr. Tibor Peňaška, PhD., Mgr. Dominika Mravcová, PhD., Mgr. Viktória Némethová, PhD., Mgr. Lea Hegedúsová, PhD. |     |                                             |       |       |       |
| <b>Last change:</b> 22.08.2023                                                                                                                                                                                                                                                                 |     |                                             |       |       |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                                                             |     |                                             |       |       |       |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------|-----|------|-------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                                                                                                                            |       |                                                   |     |      |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                          |       |                                                   |     |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                |       |                                                   |     |      |       |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCXX-012/22                                                                                                                                                                                                                                                                                                                                                              |       | <b>Course title:</b><br>Perspectives in Chemistry |     |      |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                         |       |                                                   |     |      |       |
| <b>Number of credits:</b> 2                                                                                                                                                                                                                                                                                                                                                                                |       |                                                   |     |      |       |
| <b>Recommended semester:</b> 1.                                                                                                                                                                                                                                                                                                                                                                            |       |                                                   |     |      |       |
| <b>Educational level:</b> I.                                                                                                                                                                                                                                                                                                                                                                               |       |                                                   |     |      |       |
| <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: 37                                                                                                                                                                                                                                                                                                                                   |       |                                                   |     |      |       |
| A                                                                                                                                                                                                                                                                                                                                                                                                          | B     | C                                                 | D   | E    | FX    |
| 35,14                                                                                                                                                                                                                                                                                                                                                                                                      | 43,24 | 2,7                                               | 2,7 | 5,41 | 10,81 |
| <b>Lecturers:</b> doc. RNDr. Martin Putala, CSc., doc. RNDr. Oľga Rosскопfová, PhD., prof. RNDr. Ivan Černušák, DrSc., Mgr. Peter Hrobárik, PhD., doc. RNDr. Erik Rakovský, PhD., prof. RNDr. Marian Masár, PhD., doc. Mgr. Peter Polčic, PhD., doc. RNDr. Radoslav Halko, PhD., Mgr. Táňa Sebechlebská, PhD., Ing. Darina Tóthová, CSc., doc. RNDr. Jana Korduláková, PhD., doc. RNDr. Andrej Boháč, CSc. |       |                                                   |     |      |       |
| <b>Last change:</b> 10.10.2022                                                                                                                                                                                                                                                                                                                                                                             |       |                                                   |     |      |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                                                                                                                                                                         |       |                                                   |     |      |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                                                                                                                                                                           |       |                                                   |      |      |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------|------|------|-------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                                                                                                                           |       |                                                   |      |      |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                         |       |                                                   |      |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                               |       |                                                   |      |      |       |
| <b>Course ID:</b><br>PriF.KJCh/N-XXXX-011/21                                                                                                                                                                                                                                                                                                                                                              |       | <b>Course title:</b><br>Perspectives in Chemistry |      |      |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                        |       |                                                   |      |      |       |
| <b>Number of credits:</b> 2                                                                                                                                                                                                                                                                                                                                                                               |       |                                                   |      |      |       |
| <b>Recommended semester:</b> 1., 3., 5.                                                                                                                                                                                                                                                                                                                                                                   |       |                                                   |      |      |       |
| <b>Educational level:</b> I., II., P                                                                                                                                                                                                                                                                                                                                                                      |       |                                                   |      |      |       |
| <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: 105                                                                                                                                                                                                                                                                                                                                 |       |                                                   |      |      |       |
| A                                                                                                                                                                                                                                                                                                                                                                                                         | B     | C                                                 | D    | E    | FX    |
| 45,71                                                                                                                                                                                                                                                                                                                                                                                                     | 27,62 | 7,62                                              | 2,86 | 0,95 | 15,24 |
| <b>Lecturers:</b> doc. RNDr. Martin Putala, CSc., prof. RNDr. Ivan Černušák, DrSc., doc. RNDr. Erik Rakovský, PhD., Mgr. Peter Hrobárik, PhD., doc. RNDr. Oľga Roskopfová, PhD., Mgr. Táňa Sebechlebská, PhD., Ing. Darina Tóthová, CSc., doc. RNDr. Radoslav Halko, PhD., prof. RNDr. Marian Masár, PhD., doc. RNDr. Jana Korduláková, PhD., doc. Mgr. Peter Polčic, PhD., doc. RNDr. Andrej Boháč, CSc. |       |                                                   |      |      |       |
| <b>Last change:</b> 07.11.2022                                                                                                                                                                                                                                                                                                                                                                            |       |                                                   |      |      |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                                                                                                                                                                        |       |                                                   |      |      |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                                                              |     |                                                      |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                            |     |                                                      |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                  |     |                                                      |     |     |       |
| <b>Course ID:</b><br>PriF.KBCh/N-bCBI-003/22                                                                                                                                                                                                                                                                                                 |     | <b>Course title:</b><br>Perspectives of Biochemistry |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week: 2 per level/semester: 26</b><br><b>Form of the course:</b> on-site learning                                                                                                                                                  |     |                                                      |     |     |       |
| <b>Number of credits:</b> 2                                                                                                                                                                                                                                                                                                                  |     |                                                      |     |     |       |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                                                                                                                                              |     |                                                      |     |     |       |
| <b>Educational level:</b> I.                                                                                                                                                                                                                                                                                                                 |     |                                                      |     |     |       |
| <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                                                                                                                                                                                                                                                                                                                                            | B   | C                                                    | D   | E   | FX    |
| 89,47                                                                                                                                                                                                                                                                                                                                        | 0,0 | 0,0                                                  | 0,0 | 0,0 | 10,53 |
| <b>Lecturers:</b> doc. RNDr. Marek Mentel, PhD., prof. RNDr. Katarína Mikušová, DrSc., prof. RNDr. Anton Horváth, CSc., Mgr. Stanislav Huszár, PhD., doc. RNDr. Jana Korduláková, PhD., Ing. Martina Neboháčová, PhD., doc. Mgr. Peter Polčic, PhD., Mgr. Viktória Hodorová, PhD., RNDr. Ingrid Sveráková, PhD., doc. RNDr. Igor Zeman, PhD. |     |                                                      |     |     |       |
| <b>Last change:</b> 19.09.2022                                                                                                                                                                                                                                                                                                               |     |                                                      |     |     |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                                                                                                           |     |                                                      |     |     |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                                                              |     |                                                      |     |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                            |     |                                                      |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                  |     |                                                      |     |     |      |
| <b>Course ID:</b><br>PriF.KBCh/N-XXXX-010/22                                                                                                                                                                                                                                                                                                 |     | <b>Course title:</b><br>Perspectives of Biochemistry |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning                                                                                                                                           |     |                                                      |     |     |      |
| <b>Number of credits:</b> 2                                                                                                                                                                                                                                                                                                                  |     |                                                      |     |     |      |
| <b>Recommended semester:</b> 2., 4., 6.                                                                                                                                                                                                                                                                                                      |     |                                                      |     |     |      |
| <b>Educational level:</b> I., II., P                                                                                                                                                                                                                                                                                                         |     |                                                      |     |     |      |
| <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: 415                                                                                                                                                                                                                                                                    |     |                                                      |     |     |      |
| A                                                                                                                                                                                                                                                                                                                                            | B   | C                                                    | D   | E   | FX   |
| 92,53                                                                                                                                                                                                                                                                                                                                        | 0,0 | 0,0                                                  | 0,0 | 0,0 | 7,47 |
| <b>Lecturers:</b> doc. RNDr. Marek Mentel, PhD., prof. RNDr. Katarína Mikušová, DrSc., prof. RNDr. Anton Horváth, CSc., Mgr. Stanislav Huszár, PhD., doc. RNDr. Jana Korduláková, PhD., Ing. Martina Neboháčová, PhD., doc. Mgr. Peter Polčic, PhD., Mgr. Viktória Hodorová, PhD., RNDr. Ingrid Sveráková, PhD., doc. RNDr. Igor Zeman, PhD. |     |                                                      |     |     |      |
| <b>Last change:</b> 19.09.2022                                                                                                                                                                                                                                                                                                               |     |                                                      |     |     |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                                                                                                           |     |                                                      |     |     |      |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------|------|------|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                                                                                                        |     |                                                         |      |      |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                      |     |                                                         |      |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                            |     |                                                         |      |      |      |      |
| <b>Course ID:</b><br>PriF.KFR/N-bBXX-002/22                                                                                                                                                                                                                                                                                                                                            |     | <b>Course title:</b><br>Perspectives of Current Biology |      |      |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning                                                                                                                                                                                     |     |                                                         |      |      |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                                                                                                                                                                                                            |     |                                                         |      |      |      |      |
| <b>Recommended semester:</b> 1.                                                                                                                                                                                                                                                                                                                                                        |     |                                                         |      |      |      |      |
| <b>Educational level:</b> I., P                                                                                                                                                                                                                                                                                                                                                        |     |                                                         |      |      |      |      |
| <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: 1114                                                                                                                                                                                                                                                                                                             |     |                                                         |      |      |      |      |
| A                                                                                                                                                                                                                                                                                                                                                                                      | ABS | B                                                       | C    | D    | E    | FX   |
| 80,7                                                                                                                                                                                                                                                                                                                                                                                   | 0,0 | 7,45                                                    | 3,86 | 0,63 | 0,45 | 6,91 |
| <b>Lecturers:</b> doc. Mgr. Michal Martinka, PhD., prof. RNDr. Ľubomír Tomáška, DrSc., doc. RNDr. Radoslav Beňuš, PhD., prof. RNDr. Ján Turňa, CSc., prof. RNDr. Michal Zeman, DrSc., doc. Mgr. Peter Vďačný, PhD., prof. RNDr. Helena Bujdáková, CSc., doc. RNDr. Stanislav Stuchlík, CSc., doc. RNDr. Tomáš Derka, PhD., RNDr. Boris Klempa, DrSc., Ing. Mgr. Eva Zahradníková, PhD. |     |                                                         |      |      |      |      |
| <b>Last change:</b> 01.08.2022                                                                                                                                                                                                                                                                                                                                                         |     |                                                         |      |      |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                                                                                                                                                     |     |                                                         |      |      |      |      |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------|-------|------|-------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                       |       |                                              |       |      |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                              |       |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                              |       |      |       |
| <b>Course ID:</b><br>PriF.KFTCh/N-bCXX-025/22                                                                                                                                                                         |       | <b>Course title:</b><br>Physical Chemistry 1 |       |      |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 4 / 2 <b>per level/semester:</b> 52 / 26<br><b>Form of the course:</b> on-site learning |       |                                              |       |      |       |
| <b>Number of credits:</b> 6                                                                                                                                                                                           |       |                                              |       |      |       |
| <b>Recommended semester:</b> 3.                                                                                                                                                                                       |       |                                              |       |      |       |
| <b>Educational level:</b> I.                                                                                                                                                                                          |       |                                              |       |      |       |
| <b>Prerequisites:</b> PriF.KAgCh/N-bCXX-010/22 - General Chemistry                                                                                                                                                    |       |                                              |       |      |       |
| <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: 168                                                                                                                                             |       |                                              |       |      |       |
| A                                                                                                                                                                                                                     | B     | C                                            | D     | E    | FX    |
| 22,62                                                                                                                                                                                                                 | 19,64 | 23,81                                        | 14,29 | 8,33 | 11,31 |
| <b>Lecturers:</b> doc. RNDr. Ivan Valent, CSc., doc. Mgr. Pavel Neogrády, DrSc., prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Juraj Bujdák, DrSc.                                                                   |       |                                              |       |      |       |
| <b>Last change:</b> 08.08.2025                                                                                                                                                                                        |       |                                              |       |      |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                    |       |                                              |       |      |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                          |      |                                              |     |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                        |      |                                              |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                              |      |                                              |     |     |      |
| <b>Course ID:</b><br>PriF.KTV/N-bXTV-101/22                                                                                                                                                                                              |      | <b>Course title:</b><br>Physical Education 1 |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning                                    |      |                                              |     |     |      |
| <b>Number of credits:</b> 2                                                                                                                                                                                                              |      |                                              |     |     |      |
| <b>Recommended semester:</b> 1.                                                                                                                                                                                                          |      |                                              |     |     |      |
| <b>Educational level:</b> I., P                                                                                                                                                                                                          |      |                                              |     |     |      |
| <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: 1520                                                                                                                                                               |      |                                              |     |     |      |
| A                                                                                                                                                                                                                                        | B    | C                                            | D   | E   | FX   |
| 91,91                                                                                                                                                                                                                                    | 0,79 | 0,26                                         | 0,2 | 0,2 | 6,64 |
| <b>Lecturers:</b> Mgr. Kristína Vanýsková, Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, Mgr. Denisa Strečanská, Mgr. PaedDr. Simona Rášiová, Mgr. Genc Berisha, PhD. |      |                                              |     |     |      |
| <b>Last change:</b> 01.08.2022                                                                                                                                                                                                           |      |                                              |     |     |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                       |      |                                              |     |     |      |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------|-----|-----|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                          |      |                                              |     |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                        |      |                                              |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                              |      |                                              |     |     |      |
| <b>Course ID:</b><br>PriF.KTV/N-bXTV-102/22                                                                                                                                                                                              |      | <b>Course title:</b><br>Physical Education 2 |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning                                    |      |                                              |     |     |      |
| <b>Number of credits:</b> 2                                                                                                                                                                                                              |      |                                              |     |     |      |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                                          |      |                                              |     |     |      |
| <b>Educational level:</b> I., P                                                                                                                                                                                                          |      |                                              |     |     |      |
| <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: 960                                                                                                                                                                |      |                                              |     |     |      |
| A                                                                                                                                                                                                                                        | B    | C                                            | D   | E   | FX   |
| 94,58                                                                                                                                                                                                                                    | 0,31 | 0,21                                         | 0,0 | 0,1 | 4,79 |
| <b>Lecturers:</b> Mgr. Kristína Vanýsková, Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, Mgr. Denisa Strečanská, Mgr. PaedDr. Simona Rášiová, Mgr. Genc Berisha, PhD. |      |                                              |     |     |      |
| <b>Last change:</b> 01.08.2022                                                                                                                                                                                                           |      |                                              |     |     |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                       |      |                                              |     |     |      |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------|-----|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                          |      |                                              |     |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                        |      |                                              |     |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                              |      |                                              |     |      |      |
| <b>Course ID:</b><br>PriF.KTV/N-bXTV-103/22                                                                                                                                                                                              |      | <b>Course title:</b><br>Physical Education 3 |     |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning                                    |      |                                              |     |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                                                              |      |                                              |     |      |      |
| <b>Recommended semester:</b> 3.                                                                                                                                                                                                          |      |                                              |     |      |      |
| <b>Educational level:</b> I., P                                                                                                                                                                                                          |      |                                              |     |      |      |
| <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: 966                                                                                                                                                                |      |                                              |     |      |      |
| A                                                                                                                                                                                                                                        | B    | C                                            | D   | E    | FX   |
| 95,96                                                                                                                                                                                                                                    | 0,62 | 0,83                                         | 0,0 | 0,21 | 2,38 |
| <b>Lecturers:</b> Mgr. Kristína Vanýsková, Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, Mgr. Denisa Strečanská, Mgr. PaedDr. Simona Rášiová, Mgr. Genc Berisha, PhD. |      |                                              |     |      |      |
| <b>Last change:</b> 01.08.2022                                                                                                                                                                                                           |      |                                              |     |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                       |      |                                              |     |      |      |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------|------|-----|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                          |      |                                              |      |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                        |      |                                              |      |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                              |      |                                              |      |     |      |
| <b>Course ID:</b><br>PriF.KTV/N-bXTV-104/22                                                                                                                                                                                              |      | <b>Course title:</b><br>Physical Education 4 |      |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week: 2 per level/semester: 26</b><br><b>Form of the course:</b> on-site learning                                           |      |                                              |      |     |      |
| <b>Number of credits:</b> 2                                                                                                                                                                                                              |      |                                              |      |     |      |
| <b>Recommended semester:</b> 4.                                                                                                                                                                                                          |      |                                              |      |     |      |
| <b>Educational level:</b> I., P                                                                                                                                                                                                          |      |                                              |      |     |      |
| <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: 764                                                                                                                                                                |      |                                              |      |     |      |
| A                                                                                                                                                                                                                                        | B    | C                                            | D    | E   | FX   |
| 96,2                                                                                                                                                                                                                                     | 0,52 | 0,13                                         | 0,26 | 0,0 | 2,88 |
| <b>Lecturers:</b> Mgr. Kristína Vanýsková, Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, Mgr. Denisa Strečanská, Mgr. PaedDr. Simona Rášiová, Mgr. Genc Berisha, PhD. |      |                                              |      |     |      |
| <b>Last change:</b> 01.08.2022                                                                                                                                                                                                           |      |                                              |      |     |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                       |      |                                              |      |     |      |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------|------|-----|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                          |      |                                              |      |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                        |      |                                              |      |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                              |      |                                              |      |     |      |
| <b>Course ID:</b><br>PriF.KTV/N-bXTV-105/22                                                                                                                                                                                              |      | <b>Course title:</b><br>Physical Education 5 |      |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning                                    |      |                                              |      |     |      |
| <b>Number of credits:</b> 2                                                                                                                                                                                                              |      |                                              |      |     |      |
| <b>Recommended semester:</b> 5.                                                                                                                                                                                                          |      |                                              |      |     |      |
| <b>Educational level:</b> I., P                                                                                                                                                                                                          |      |                                              |      |     |      |
| <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: 760                                                                                                                                                                |      |                                              |      |     |      |
| A                                                                                                                                                                                                                                        | B    | C                                            | D    | E   | FX   |
| 96,71                                                                                                                                                                                                                                    | 0,53 | 0,0                                          | 0,13 | 0,0 | 2,63 |
| <b>Lecturers:</b> Mgr. Kristína Vanýsková, Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, Mgr. Denisa Strečanská, Mgr. PaedDr. Simona Rášiová, Mgr. Genc Berisha, PhD. |      |                                              |      |     |      |
| <b>Last change:</b> 01.08.2022                                                                                                                                                                                                           |      |                                              |      |     |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                       |      |                                              |      |     |      |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------|-----|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                          |     |                                              |     |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                        |     |                                              |     |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                              |     |                                              |     |      |      |
| <b>Course ID:</b><br>PriF.KTV/N-bXTV-106/22                                                                                                                                                                                              |     | <b>Course title:</b><br>Physical Education 6 |     |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week: 2 per level/semester: 26</b><br><b>Form of the course:</b> on-site learning                                           |     |                                              |     |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                                                              |     |                                              |     |      |      |
| <b>Recommended semester:</b> 6.                                                                                                                                                                                                          |     |                                              |     |      |      |
| <b>Educational level:</b> I., P                                                                                                                                                                                                          |     |                                              |     |      |      |
| <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: 484                                                                                                                                                                |     |                                              |     |      |      |
| A                                                                                                                                                                                                                                        | B   | C                                            | D   | E    | FX   |
| 97,73                                                                                                                                                                                                                                    | 0,0 | 0,0                                          | 0,0 | 0,21 | 2,07 |
| <b>Lecturers:</b> Mgr. Kristína Vanýsková, Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, Mgr. Denisa Strečanská, Mgr. PaedDr. Simona Rášiová, Mgr. Genc Berisha, PhD. |     |                                              |     |      |      |
| <b>Last change:</b> 01.08.2022                                                                                                                                                                                                           |     |                                              |     |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                       |     |                                              |     |      |      |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------|-------|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                       |      |                                                   |       |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |      |                                                   |       |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |      |                                                   |       |      |      |
| <b>Course ID:</b><br>PriF-FMFI.KEF/N-<br>bCXX-016/15                                                                                                                                                                  |      | <b>Course title:</b><br>Physics for the Chemistry |       |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 4 / 3 <b>per level/semester:</b> 52 / 39<br><b>Form of the course:</b> on-site learning |      |                                                   |       |      |      |
| <b>Number of credits:</b> 7                                                                                                                                                                                           |      |                                                   |       |      |      |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                       |      |                                                   |       |      |      |
| <b>Educational level:</b> I.                                                                                                                                                                                          |      |                                                   |       |      |      |
| <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: 591                                                                                                                                             |      |                                                   |       |      |      |
| A                                                                                                                                                                                                                     | B    | C                                                 | D     | E    | FX   |
| 10,32                                                                                                                                                                                                                 | 9,48 | 14,55                                             | 16,75 | 26,4 | 22,5 |
| <b>Lecturers:</b> prof. Dr. Štefan Matejčík, DrSc., doc. RNDr. Juraj Országh, PhD., doc. RNDr. Veronika Medvecká, PhD., doc. RNDr. Peter Papp, PhD., RNDr. Ladislav Moravský, PhD., doc. Mgr. Peter Čermák, PhD.      |      |                                                   |       |      |      |
| <b>Last change:</b> 18.10.2022                                                                                                                                                                                        |      |                                                   |       |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                    |      |                                                   |       |      |      |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------|-----|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |       |                                                  |     |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                  |     |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                  |     |      |      |
| <b>Course ID:</b><br>PriF.KBo/N-XXXX-003/21                                                                                                                                                        |       | <b>Course title:</b><br>Plants known and unknown |     |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |       |                                                  |     |      |      |
| <b>Number of credits:</b> 3                                                                                                                                                                        |       |                                                  |     |      |      |
| <b>Recommended semester:</b> 1., 3., 5.                                                                                                                                                            |       |                                                  |     |      |      |
| <b>Educational level:</b> I., II., P                                                                                                                                                               |       |                                                  |     |      |      |
| <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: 1434                                                                                                                         |       |                                                  |     |      |      |
| A                                                                                                                                                                                                  | B     | C                                                | D   | E    | FX   |
| 68,83                                                                                                                                                                                              | 19,46 | 6,07                                             | 0,0 | 1,39 | 4,25 |
| <b>Lecturers:</b> Ing. Mgr. Eva Zahradníková, PhD., doc. Mgr. Katarína Mišíková, PhD., doc. RNDr. Jana Ščevková, PhD.                                                                              |       |                                                  |     |      |      |
| <b>Last change:</b> 30.08.2022                                                                                                                                                                     |       |                                                  |     |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |       |                                                  |     |      |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                                                                                                      |     |                                                                    |     |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                    |     |                                                                    |     |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                          |     |                                                                    |     |      |      |
| <b>Course ID:</b><br>PriF.KRGRR/N-XXXX-002/21                                                                                                                                                                                                                                                                                                                                        |     | <b>Course title:</b><br>Practical Geography for Natural Scientists |     |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 / 1 <b>per level/semester:</b> 13 / 13<br><b>Form of the course:</b> on-site learning                                                                                                                                                                |     |                                                                    |     |      |      |
| <b>Number of credits:</b> 3                                                                                                                                                                                                                                                                                                                                                          |     |                                                                    |     |      |      |
| <b>Recommended semester:</b> 1., 3., 5.                                                                                                                                                                                                                                                                                                                                              |     |                                                                    |     |      |      |
| <b>Educational level:</b> I., II., P                                                                                                                                                                                                                                                                                                                                                 |     |                                                                    |     |      |      |
| <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: 122                                                                                                                                                                                                                                                                                                            |     |                                                                    |     |      |      |
| A                                                                                                                                                                                                                                                                                                                                                                                    | B   | C                                                                  | D   | E    | FX   |
| 89,34                                                                                                                                                                                                                                                                                                                                                                                | 0,0 | 0,82                                                               | 0,0 | 0,82 | 9,02 |
| <b>Lecturers:</b> Mgr. Rastislav Cákoci, PhD., RNDr. Katarína Danielová, PhD., doc. RNDr. Daniel Gurňák, PhD., doc. RNDr. František Križan, PhD., doc. RNDr. Eva Rajčáková, CSc., Mgr. Michala Sládeková Madajová, PhD., RNDr. Angelika Švecová, PhD., doc. Mgr. Martin Šveda, PhD., prof. RNDr. Ladislav Tolmáči, PhD., RNDr. Mgr. Anna Tolmáči, PhD., Mgr. Gabriel Zubriczký, PhD. |     |                                                                    |     |      |      |
| <b>Last change:</b> 15.05.2021                                                                                                                                                                                                                                                                                                                                                       |     |                                                                    |     |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                                                                                                                                                   |     |                                                                    |     |      |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                                                                                                                            |       |                                                        |      |      |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                          |       |                                                        |      |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                |       |                                                        |      |      |     |
| <b>Course ID:</b><br>PriF.KIHG/N-XXXX-012/21                                                                                                                                                                                                                                                                                                                                                               |       | <b>Course title:</b><br>Practical Geology for Everyone |      |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                         |       |                                                        |      |      |     |
| <b>Number of credits:</b> 3                                                                                                                                                                                                                                                                                                                                                                                |       |                                                        |      |      |     |
| <b>Recommended semester:</b> 1., 3., 5.                                                                                                                                                                                                                                                                                                                                                                    |       |                                                        |      |      |     |
| <b>Educational level:</b> I., II., P                                                                                                                                                                                                                                                                                                                                                                       |       |                                                        |      |      |     |
| <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: 548                                                                                                                                                                                                                                                                                                                                  |       |                                                        |      |      |     |
| A                                                                                                                                                                                                                                                                                                                                                                                                          | B     | C                                                      | D    | E    | FX  |
| 76,64                                                                                                                                                                                                                                                                                                                                                                                                      | 10,95 | 4,2                                                    | 1,46 | 0,55 | 6,2 |
| <b>Lecturers:</b> doc. RNDr. Renáta Fláková, PhD., doc. RNDr. Renáta Adamcová, PhD., prof. RNDr. Roman Pašteka, PhD., prof. RNDr. Martin Bednarik, PhD., doc. RNDr. Dávid Krčmář, PhD., doc. RNDr. Andrej Mojzeš, PhD., RNDr. Ivana Ondrejková, PhD., doc. Mgr. Vladimír Greif, PhD., Mgr. Rudolf Tornyai, PhD., RNDr. Tatiana Durmeková, PhD., Mgr. Martin Zatlakovič, PhD., doc. RNDr. Milan Seman, CSc. |       |                                                        |      |      |     |
| <b>Last change:</b> 18.09.2022                                                                                                                                                                                                                                                                                                                                                                             |       |                                                        |      |      |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                                                                                                                                                                                         |       |                                                        |      |      |     |

## COURSE DESCRIPTION

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                       |     |                                                                           |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                     |     |                                                                           |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |     |                                                                           |     |     |     |
| <b>Course ID:</b><br>PriF.KBCh/N-bCBI-026/22                                                                                                                                                          |     | <b>Course title:</b><br>Practical for a Bachelor's Thesis in Biochemistry |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 7 <b>per level/semester:</b> 91<br><b>Form of the course:</b> on-site learning |     |                                                                           |     |     |     |
| <b>Number of credits:</b> 7                                                                                                                                                                           |     |                                                                           |     |     |     |
| <b>Recommended semester:</b> 5.                                                                                                                                                                       |     |                                                                           |     |     |     |
| <b>Educational level:</b> I.                                                                                                                                                                          |     |                                                                           |     |     |     |
| <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                                                                                                                                                                                                     | B   | C                                                                         | D   | E   | FX  |
| 0,0                                                                                                                                                                                                   | 0,0 | 0,0                                                                       | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Katarína Mikušová, DrSc.                                                                                                                                                |     |                                                                           |     |     |     |
| <b>Last change:</b> 27.07.2022                                                                                                                                                                        |     |                                                                           |     |     |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                    |     |                                                                           |     |     |     |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------|------|------|-------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                   |       |                                                             |      |      |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                 |       |                                                             |      |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                       |       |                                                             |      |      |       |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCXX-049/22                                                                                                                                                                                     |       | <b>Course title:</b><br>Practicals in Organic Chemistry (1) |      |      |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 5 <b>per level/semester:</b> 65<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> I.                                                                                                                                                                                                      |       |                                                             |      |      |       |
| <b>Prerequisites:</b> PriF.KAlCh/N-bCXX-006/22 - Laboratory Technique                                                                                                                                                             |       |                                                             |      |      |       |
| <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: 162                                                                                                                                                         |       |                                                             |      |      |       |
| A                                                                                                                                                                                                                                 | B     | C                                                           | D    | E    | FX    |
| 45,68                                                                                                                                                                                                                             | 19,14 | 16,05                                                       | 3,09 | 4,94 | 11,11 |
| <b>Lecturers:</b> RNDr. Viera Poláčková, PhD., PharmDr. Ivica Sigmundová, PhD., Mgr. Bernard Mravec, PhD., Mgr. Lukáš Kerner, PhD., Ing. Tomáš Čarný, PhD., Mgr. Samuel Andrejčák, Mgr. Karin Schniererová, Mgr. Zuzana Mravíková |       |                                                             |      |      |       |
| <b>Last change:</b> 25.07.2022                                                                                                                                                                                                    |       |                                                             |      |      |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                |       |                                                             |      |      |       |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                    |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                    |
| <b>Course ID:</b><br>PriF.KBCh/N-bCBI-020/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Course title:</b><br>Principles of Cell Biology |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 26 / 26<br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                    |
| <b>Number of credits:</b> 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                    |
| <b>Recommended semester:</b> 5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                    |
| <b>Educational level:</b> I.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                    |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                    |
| <b>Course requirements:</b><br>There will be regular written tests during the semester. Credits will not be awarded to a student who gets less than 60% of the total marks in these tests. The subject will be completed by oral exam. The evaluation will be awarded as follows: A - excellent results, B - above average work, C - normal reliable work, D - acceptable results, E - results meeting the minimum criteria, Fx - insufficient results (unacceptably weak knowledge corresponding to less than 60% of the required subject range).<br>Scale of assessment (preliminary/final): 0 /100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                    |
| <b>Learning outcomes:</b><br>After completing the course, students will have an overview of the internal organization of prokaryotic and eukaryotic cells and the basic biological processes that take place in individual cell compartments. Emphasis is placed on the importance of biological membranes, intracellular compartmentalization and key molecular processes operating in cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                    |
| <b>Class syllabus:</b><br>Complex organization of eukaryotic cell. History and key discoveries of cell biology. Characteristic properties of eukaryotic cells. Comparison of ultrastructure of prokaryotic and eukaryotic cells. Importance of intracellular compartmentalization. The origin of the eukaryotic cell.<br>The role of biological membranes in the eukaryotic cell. Membrane structure and function. Membrane transport. Vector processes bound to membranes. The role of membranes in nerve signal transmission.<br>Cell nucleus. Ultrastructure and dynamics of the cell nucleus, nuclear membrane, nuclear pores, nucleolus. Chromosomes and chromosomal territories. Histones and histone-like proteins. Eukaryotic genome dynamics. Genome replication and repair.<br>Transcription and principles of gene expression control. Levels of gene expression control in prokaryotic and eukaryotic cells. Transcriptional control and post-transcriptional RNA processing. Ribosome translation and function. Ribosome subunits. Ribosomal RNA and protein components of the ribosome. Basic steps in the regulation of proteosynthesis. Intracellular localization of proteosynthesis. Protein distribution in the cell. Posttranslational fate of proteins. |                                                    |

| <p>Mitochondria and chloroplasts. Ultrastructure and function of semiautonomous organelles. Specific roles of mitochondrial and chloroplast membranes. Organelle genomes. Oxidative phosphorylation. Photosynthesis-photophosphorylation.</p> <p>Endoplasmic reticulum, Golgi apparatus. Structure and function. Smooth and rough endoplasmic reticulum, sarcoplasmic reticulum.</p> <p>Vesicular transport. Role in protein distribution and transport in eukaryotic cells. Vacuoles, lysosomes and peroxisomes. Structure, function, biogenesis and distribution. Metabolism. Clinical significance of lysosomes and peroxisomes.</p> <p>Cytoskeleton as a dynamic structure. Cytoskeletal components. Cytoskeleton as a motive system: vesicular transport, cell motility and cell division.</p> <p>Cell surfaces. Cytoplasmic membrane and cell wall. Extracellular matrix. From individual cells to tissues and multicellular organisms.</p> <p>Cells in a social context. Biofilms. Cells as part of tissues. Epithelium and intercellular connections. Quorum sensing. Intercellular communication and cell death.</p> |       |       |       |       |      |   |   |   |   |   |    |       |       |       |       |       |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|------|---|---|---|---|---|----|-------|-------|-------|-------|-------|------|
| <p><b>Recommended literature:</b></p> <p>Alberts et al. (2014) Molecular Biology of the Cell, Garland Science.</p> <p>Alberts et al. (2014) Essential Cell Biology, 5th edition, W. W. Norton &amp; Company.</p> <p>Lodish et al. (2016) Molecular Cell Biology. 8th edition, W. H. Freeman and Company.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       |       |       |       |      |   |   |   |   |   |    |       |       |       |       |       |      |
| <p><b>Languages necessary to complete the course:</b></p> <p>Slovak in combination with English (textbooks in English)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |       |       |       |      |   |   |   |   |   |    |       |       |       |       |       |      |
| <p><b>Notes:</b></p> <p>the course is provided only in the winter semester</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |       |       |       |      |   |   |   |   |   |    |       |       |       |       |       |      |
| <p><b>Past grade distribution</b></p> <p>Total number of evaluated students: 88</p> <table border="1"> <thead> <tr> <th>A</th><th>B</th><th>C</th><th>D</th><th>E</th><th>FX</th></tr> </thead> <tbody> <tr> <td>36,36</td><td>15,91</td><td>15,91</td><td>13,64</td><td>11,36</td><td>6,82</td></tr> </tbody> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |       |       |       |      | A | B | C | D | E | FX | 36,36 | 15,91 | 15,91 | 13,64 | 11,36 | 6,82 |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | B     | C     | D     | E     | FX   |   |   |   |   |   |    |       |       |       |       |       |      |
| 36,36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 15,91 | 15,91 | 13,64 | 11,36 | 6,82 |   |   |   |   |   |    |       |       |       |       |       |      |
| <p><b>Lecturers:</b> prof. RNDr. Jozef Nosek, DrSc., doc. Mgr. Peter Polčic, PhD.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |       |       |       |      |   |   |   |   |   |    |       |       |       |       |       |      |
| <p><b>Last change:</b> 07.10.2022</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |       |       |       |      |   |   |   |   |   |    |       |       |       |       |       |      |
| <p><b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |       |       |       |      |   |   |   |   |   |    |       |       |       |       |       |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |       |                                                               |       |       |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------|-------|-------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |       |                                                               |       |       |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                               |       |       |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                               |       |       |      |
| <b>Course ID:</b><br>LF-PriF.KBCh/N-<br>bCBI-005/22                                                                                                                                                |       | <b>Course title:</b><br>Principles of Functional Biochemistry |       |       |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |       |                                                               |       |       |      |
| <b>Number of credits:</b> 2                                                                                                                                                                        |       |                                                               |       |       |      |
| <b>Recommended semester:</b> 6.                                                                                                                                                                    |       |                                                               |       |       |      |
| <b>Educational level:</b> I.                                                                                                                                                                       |       |                                                               |       |       |      |
| <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                                                                                                                                                                                                  | B     | C                                                             | D     | E     | FX   |
| 10,26                                                                                                                                                                                              | 12,82 | 10,26                                                         | 17,95 | 43,59 | 5,13 |
| <b>Lecturers:</b> doc. RNDr. Monika Ďurfinová, PhD., prof. MUDr. Ladislav Turecký, CSc.                                                                                                            |       |                                                               |       |       |      |
| <b>Last change:</b> 08.08.2025                                                                                                                                                                     |       |                                                               |       |       |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |       |                                                               |       |       |      |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                          |     |                                       |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                        |     |                                       |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                              |     |                                       |     |     |       |
| <b>Course ID:</b><br>PriF.KTV/N-bXTV-110/22                                                                                                                                                                                              |     | <b>Course title:</b><br>River rafting |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> other<br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b> 3d<br><b>Form of the course:</b> on-site learning                                           |     |                                       |     |     |       |
| <b>Number of credits:</b> 1                                                                                                                                                                                                              |     |                                       |     |     |       |
| <b>Recommended semester:</b> 2., 4., 6.                                                                                                                                                                                                  |     |                                       |     |     |       |
| <b>Educational level:</b> I., P                                                                                                                                                                                                          |     |                                       |     |     |       |
| <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: 224                                                                                                                                                                |     |                                       |     |     |       |
| A                                                                                                                                                                                                                                        | B   | C                                     | D   | E   | FX    |
| 58,93                                                                                                                                                                                                                                    | 0,0 | 0,0                                   | 0,0 | 0,0 | 41,07 |
| <b>Lecturers:</b> Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, Mgr. Kristína Vanýsková, Mgr. Denisa Strečanská, Mgr. PaedDr. Simona Rášiová, Mgr. Genc Berisha, PhD. |     |                                       |     |     |       |
| <b>Last change:</b> 01.08.2022                                                                                                                                                                                                           |     |                                       |     |     |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                       |     |                                       |     |     |       |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------|------|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |       |                                                            |      |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                            |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                            |      |      |      |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-128/22                                                                                                                                                         |       | <b>Course title:</b><br>Scientific English for Chemistry 1 |      |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |       |                                                            |      |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                        |       |                                                            |      |      |      |
| <b>Recommended semester:</b> 2.                                                                                                                                                                    |       |                                                            |      |      |      |
| <b>Educational level:</b> I.                                                                                                                                                                       |       |                                                            |      |      |      |
| <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: 72                                                                                                                           |       |                                                            |      |      |      |
| A                                                                                                                                                                                                  | B     | C                                                          | D    | E    | FX   |
| 63,89                                                                                                                                                                                              | 23,61 | 1,39                                                       | 1,39 | 2,78 | 6,94 |
| <b>Lecturers:</b> Mgr. Barbara Kordíková, PhD., PaedDr. Stanislav Kováč, PhD.                                                                                                                      |       |                                                            |      |      |      |
| <b>Last change:</b> 03.10.2022                                                                                                                                                                     |       |                                                            |      |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |       |                                                            |      |      |      |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------|-----|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |       |                                                            |     |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                            |     |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                            |     |      |      |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-129/22                                                                                                                                                         |       | <b>Course title:</b><br>Scientific English for Chemistry 2 |     |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |       |                                                            |     |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                        |       |                                                            |     |      |      |
| <b>Recommended semester:</b> 3.                                                                                                                                                                    |       |                                                            |     |      |      |
| <b>Educational level:</b> I.                                                                                                                                                                       |       |                                                            |     |      |      |
| <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: 64                                                                                                                           |       |                                                            |     |      |      |
| A                                                                                                                                                                                                  | B     | C                                                          | D   | E    | FX   |
| 82,81                                                                                                                                                                                              | 10,94 | 0,0                                                        | 0,0 | 1,56 | 4,69 |
| <b>Lecturers:</b> Mgr. Barbara Kordíková, PhD., PaedDr. Stanislav Kováč, PhD.                                                                                                                      |       |                                                            |     |      |      |
| <b>Last change:</b> 26.09.2022                                                                                                                                                                     |       |                                                            |     |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |       |                                                            |     |      |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                   |       |                                                                 |       |       |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------|-------|-------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                   |       |                                                                 |       |       |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                 |       |                                                                 |       |       |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                       |       |                                                                 |       |       |      |
| <b>Course ID:</b><br>PriF/N-bCXX-152/22                                                                                                                                                           |       | <b>Course title:</b><br>Secondary School Mathematics Repetition |       |       |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practice<br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b> 5d<br><b>Form of the course:</b> on-site learning |       |                                                                 |       |       |      |
| <b>Number of credits:</b> 2                                                                                                                                                                       |       |                                                                 |       |       |      |
| <b>Recommended semester:</b> 1.                                                                                                                                                                   |       |                                                                 |       |       |      |
| <b>Educational level:</b> I.                                                                                                                                                                      |       |                                                                 |       |       |      |
| <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: 123                                                                                                                         |       |                                                                 |       |       |      |
| A                                                                                                                                                                                                 | B     | C                                                               | D     | E     | FX   |
| 29,27                                                                                                                                                                                             | 16,26 | 7,32                                                            | 11,38 | 30,89 | 4,88 |
| <b>Lecturers:</b> doc. PaedDr. Klára Velmovská, PhD.                                                                                                                                              |       |                                                                 |       |       |      |
| <b>Last change:</b> 17.10.2022                                                                                                                                                                    |       |                                                                 |       |       |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                |       |                                                                 |       |       |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |       |                                                                  |       |       |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                                  |       |       |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                                  |       |       |      |
| <b>Course ID:</b><br>PriF.KŽFE/N-bBFE-021/22                                                                                                                                                       |       | <b>Course title:</b><br>Selected chapters from Animal Physiology |       |       |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |       |                                                                  |       |       |      |
| <b>Number of credits:</b> 2                                                                                                                                                                        |       |                                                                  |       |       |      |
| <b>Recommended semester:</b> 5.                                                                                                                                                                    |       |                                                                  |       |       |      |
| <b>Educational level:</b> I.                                                                                                                                                                       |       |                                                                  |       |       |      |
| <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: 46                                                                                                                           |       |                                                                  |       |       |      |
| A                                                                                                                                                                                                  | B     | C                                                                | D     | E     | FX   |
| 19,57                                                                                                                                                                                              | 15,22 | 21,74                                                            | 13,04 | 28,26 | 2,17 |
| <b>Lecturers:</b> prof. RNDr. Michal Zeman, DrSc., doc. Mgr. Monika Okuliarová, PhD.                                                                                                               |       |                                                                  |       |       |      |
| <b>Last change:</b> 01.08.2022                                                                                                                                                                     |       |                                                                  |       |       |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |       |                                                                  |       |       |      |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------|------|-----|-----|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                       |      |                                                                                       |      |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |      |                                                                                       |      |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |      |                                                                                       |      |     |     |
| <b>Course ID:</b><br>PriF.KAgCh/N-bCAG-015/22                                                                                                                                                                         |      | <b>Course title:</b><br>Selected topics of coordination chemistry and stereochemistry |      |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 / 1 <b>per level/semester:</b> 13 / 13<br><b>Form of the course:</b> on-site learning |      |                                                                                       |      |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                                           |      |                                                                                       |      |     |     |
| <b>Recommended semester:</b> 4.                                                                                                                                                                                       |      |                                                                                       |      |     |     |
| <b>Educational level:</b> I.                                                                                                                                                                                          |      |                                                                                       |      |     |     |
| <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: 10                                                                                                                                              |      |                                                                                       |      |     |     |
| A                                                                                                                                                                                                                     | B    | C                                                                                     | D    | E   | FX  |
| 50,0                                                                                                                                                                                                                  | 20,0 | 10,0                                                                                  | 20,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. Svitlana Vitushkina, PhD.                                                                                                                                                                      |      |                                                                                       |      |     |     |
| <b>Last change:</b> 04.10.2022                                                                                                                                                                                        |      |                                                                                       |      |     |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                    |      |                                                                                       |      |     |     |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |     |                                                       |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |     |                                                       |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |     |                                                       |     |     |     |
| <b>Course ID:</b><br>PriF.KAlCh/N-bCAL-051/22                                                                                                                                                      |     | <b>Course title:</b><br>Seminar in Separation Methods |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 <b>per level/semester:</b> 13<br><b>Form of the course:</b> on-site learning |     |                                                       |     |     |     |
| <b>Number of credits:</b> 1                                                                                                                                                                        |     |                                                       |     |     |     |
| <b>Recommended semester:</b> 6.                                                                                                                                                                    |     |                                                       |     |     |     |
| <b>Educational level:</b> I.                                                                                                                                                                       |     |                                                       |     |     |     |
| <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: 16                                                                                                                           |     |                                                       |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                     | D   | E   | FX  |
| 100,0                                                                                                                                                                                              | 0,0 | 0,0                                                   | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Jasna Hradski, PhD., RNDr. Peter Troška, PhD., RNDr. Robert Kubinec, CSc.,<br>RNDr. Renáta Górová, PhD., RNDr. Helena Jurdáková, PhD.                                       |     |                                                       |     |     |     |
| <b>Last change:</b> 07.08.2025                                                                                                                                                                     |     |                                                       |     |     |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |     |                                                       |     |     |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |       |                                                     |     |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                     |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                     |     |     |      |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-142/24                                                                                                                                                         |       | <b>Course title:</b><br>Slovak for Foreign Students |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 4 <b>per level/semester:</b> 52<br><b>Form of the course:</b> on-site learning |       |                                                     |     |     |      |
| <b>Number of credits:</b> 2                                                                                                                                                                        |       |                                                     |     |     |      |
| <b>Recommended semester:</b> 1., 2., 3., 4., 5., 6..                                                                                                                                               |       |                                                     |     |     |      |
| <b>Educational level:</b> I., P                                                                                                                                                                    |       |                                                     |     |     |      |
| <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: 112                                                                                                                          |       |                                                     |     |     |      |
| A                                                                                                                                                                                                  | B     | C                                                   | D   | E   | FX   |
| 68,75                                                                                                                                                                                              | 19,64 | 4,46                                                | 0,0 | 0,0 | 7,14 |
| <b>Lecturers:</b> Mgr. Karin Rózsová Wolfová                                                                                                                                                       |       |                                                     |     |     |      |
| <b>Last change:</b> 05.09.2024                                                                                                                                                                     |       |                                                     |     |     |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |       |                                                     |     |     |      |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------------------------------------------------|-----|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |      |                                                                                                |     |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |      |                                                                                                |     |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |      |                                                                                                |     |      |      |
| <b>Course ID:</b><br>PriF.ULVG/N-bXXX-003/23                                                                                                                                                       |      | <b>Course title:</b><br>Soft-skills: Scientific Literacy and Communication in Natural Sciences |     |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 1 <b>per level/semester:</b> 13<br><b>Form of the course:</b> on-site learning |      |                                                                                                |     |      |      |
| <b>Number of credits:</b> 1                                                                                                                                                                        |      |                                                                                                |     |      |      |
| <b>Recommended semester:</b> 1., 3., 5.                                                                                                                                                            |      |                                                                                                |     |      |      |
| <b>Educational level:</b> I., P                                                                                                                                                                    |      |                                                                                                |     |      |      |
| <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: 343                                                                                                                          |      |                                                                                                |     |      |      |
| A                                                                                                                                                                                                  | B    | C                                                                                              | D   | E    | FX   |
| 73,76                                                                                                                                                                                              | 5,25 | 5,25                                                                                           | 3,5 | 2,92 | 9,33 |
| <b>Lecturers:</b> doc. RNDr. Martin Urik, PhD.                                                                                                                                                     |      |                                                                                                |     |      |      |
| <b>Last change:</b> 30.08.2023                                                                                                                                                                     |      |                                                                                                |     |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |      |                                                                                                |     |      |      |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|------------------------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                 |     |     |                                                            |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                               |     |     |                                                            |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                     |     |     |                                                            |     |     |     |
| <b>Course ID:</b><br>PriF.KTV/N-bUXX-208/25                                                                                                                                                                     |     |     | <b>Course title:</b><br>Summer Physical-Education Training |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> training session<br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b> 6d<br><b>Form of the course:</b> on-site learning       |     |     |                                                            |     |     |     |
| <b>Number of credits:</b> 1                                                                                                                                                                                     |     |     |                                                            |     |     |     |
| <b>Recommended semester:</b> 2., 4., 6.                                                                                                                                                                         |     |     |                                                            |     |     |     |
| <b>Educational level:</b> I., P                                                                                                                                                                                 |     |     |                                                            |     |     |     |
| <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  |
| 100,0                                                                                                                                                                                                           | 0,0 | 0,0 | 0,0                                                        | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. PaedDr. Simona Rášiová, Mgr. Igor Remák, PhD., Mgr. Denisa Strečanská, PaedDr. Mgr. Lenka Vandáková, Mgr. Kristína Vanýsková |     |     |                                                            |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                             |     |     |                                                            |     |     |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                              |     |     |                                                            |     |     |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                                       |       |                                                 |       |       |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                                 |       |       |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                                 |       |       |       |
| <b>Course ID:</b><br>PriF.KFTCh/N-bCXX-015/22                                                                                                                                                                         |       | <b>Course title:</b><br>Theory of Chemical Bond |       |       |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 / 1 <b>per level/semester:</b> 26 / 13<br><b>Form of the course:</b> on-site learning |       |                                                 |       |       |       |
| <b>Number of credits:</b> 3                                                                                                                                                                                           |       |                                                 |       |       |       |
| <b>Recommended semester:</b> 3., 5.                                                                                                                                                                                   |       |                                                 |       |       |       |
| <b>Educational level:</b> I.                                                                                                                                                                                          |       |                                                 |       |       |       |
| <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                                                                                                                                                                                                                     | B     | C                                               | D     | E     | FX    |
| 18,6                                                                                                                                                                                                                  | 19,77 | 10,47                                           | 13,95 | 24,42 | 12,79 |
| <b>Lecturers:</b> prof. RNDr. Ivan Černušák, DrSc., prof. RNDr. Miroslav Urban, DrSc., Mgr. Michal Repiský, PhD.                                                                                                      |       |                                                 |       |       |       |
| <b>Last change:</b> 29.07.2022                                                                                                                                                                                        |       |                                                 |       |       |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                    |       |                                                 |       |       |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |       |                                           |     |      |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                           |     |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                           |     |      |       |
| <b>Course ID:</b><br>PriF.KZ/N-XXXX-006/21                                                                                                                                                         |       | <b>Course title:</b><br>Theory of species |     |      |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |       |                                           |     |      |       |
| <b>Number of credits:</b> 2                                                                                                                                                                        |       |                                           |     |      |       |
| <b>Recommended semester:</b> 2., 4., 6.                                                                                                                                                            |       |                                           |     |      |       |
| <b>Educational level:</b> I., II., P                                                                                                                                                               |       |                                           |     |      |       |
| <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: 261                                                                                                                          |       |                                           |     |      |       |
| A                                                                                                                                                                                                  | B     | C                                         | D   | E    | FX    |
| 51,34                                                                                                                                                                                              | 21,07 | 11,11                                     | 2,3 | 0,77 | 13,41 |
| <b>Lecturers:</b> doc. Mgr. Peter Vďačný, PhD.                                                                                                                                                     |       |                                           |     |      |       |
| <b>Last change:</b> 07.11.2022                                                                                                                                                                     |       |                                           |     |      |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |       |                                           |     |      |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                       |       |                                    |     |      |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------|-----|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                       |       |                                    |     |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                    |     |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                    |     |      |      |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCXX-046/22                                                                                                                                                                         |       | <b>Course title:</b><br>Toxicology |     |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 / 1 <b>per level/semester:</b> 13 / 13<br><b>Form of the course:</b> on-site learning |       |                                    |     |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                                           |       |                                    |     |      |      |
| <b>Recommended semester:</b> 6.                                                                                                                                                                                       |       |                                    |     |      |      |
| <b>Educational level:</b> I.                                                                                                                                                                                          |       |                                    |     |      |      |
| <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: 51                                                                                                                                              |       |                                    |     |      |      |
| A                                                                                                                                                                                                                     | B     | C                                  | D   | E    | FX   |
| 70,59                                                                                                                                                                                                                 | 11,76 | 11,76                              | 0,0 | 3,92 | 1,96 |
| <b>Lecturers:</b> Mgr. Henrieta Stankovičová, PhD., RNDr. Katarína Stebelová, PhD., Ing. Tomáš Čarný, PhD.                                                                                                            |       |                                    |     |      |      |
| <b>Last change:</b> 07.11.2022                                                                                                                                                                                        |       |                                    |     |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                    |       |                                    |     |      |      |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2025/2026                                                                                                                                                             |      |                                                      |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                           |      |                                                      |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                 |      |                                                      |     |     |     |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-140/23                                                                                                                                                  |      | <b>Course title:</b><br>UNIcert preparatory course 1 |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week: 2 per level/semester: 26</b><br><b>Form of the course:</b> on-site learning |      |                                                      |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                 |      |                                                      |     |     |     |
| <b>Recommended semester:</b> 5.                                                                                                                                                             |      |                                                      |     |     |     |
| <b>Educational level:</b> I., P                                                                                                                                                             |      |                                                      |     |     |     |
| <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: 114                                                                                                                   |      |                                                      |     |     |     |
| A                                                                                                                                                                                           | B    | C                                                    | D   | E   | FX  |
| 85,96                                                                                                                                                                                       | 11,4 | 2,63                                                 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> PhDr. Štefánia Dugovičová, PhD., Mgr. Lenka Jeleňová, Mgr. Barbara Kordíková, PhD., RNDr. Tatiana Slováková, PhD., Mgr. Mariana Hyžná, PhD.                               |      |                                                      |     |     |     |
| <b>Last change:</b> 01.08.2023                                                                                                                                                              |      |                                                      |     |     |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                          |      |                                                      |     |     |     |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                    |      |                                                      |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |      |                                                      |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |      |                                                      |     |     |     |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-141/23                                                                                                                                                         |      | <b>Course title:</b><br>UNIcert preparatory course 2 |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning |      |                                                      |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                        |      |                                                      |     |     |     |
| <b>Recommended semester:</b> 6.                                                                                                                                                                    |      |                                                      |     |     |     |
| <b>Educational level:</b> I., P                                                                                                                                                                    |      |                                                      |     |     |     |
| <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: 76                                                                                                                           |      |                                                      |     |     |     |
| A                                                                                                                                                                                                  | B    | C                                                    | D   | E   | FX  |
| 96,05                                                                                                                                                                                              | 3,95 | 0,0                                                  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Barbara Kordíková, PhD., RNDr. Tatiana Slovákova, PhD., Mgr. Aneta Barnes, Mgr. Lenka Jeleňová                                                                              |      |                                                      |     |     |     |
| <b>Last change:</b> 01.08.2023                                                                                                                                                                     |      |                                                      |     |     |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                 |      |                                                      |     |     |     |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                       |     |                                                                     |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |     |                                                                     |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |     |                                                                     |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/N-bCFZ-001/22                                                                                                                                                                         |     | <b>Course title:</b><br>What is Physical and Theoretical Chemistry? |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 / 1 <b>per level/semester:</b> 13 / 13<br><b>Form of the course:</b> on-site learning |     |                                                                     |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                                           |     |                                                                     |     |     |     |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                       |     |                                                                     |     |     |     |
| <b>Educational level:</b> I.                                                                                                                                                                                          |     |                                                                     |     |     |     |
| <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                                                                                                                                                                                                                     | B   | C                                                                   | D   | E   | FX  |
| 100,0                                                                                                                                                                                                                 | 0,0 | 0,0                                                                 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. Mgr. Michal Pitoňák, PhD., prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                    |     |                                                                     |     |     |     |
| <b>Last change:</b> 29.07.2022                                                                                                                                                                                        |     |                                                                     |     |     |     |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                    |     |                                                                     |     |     |     |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|------------------------------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                 |     |     |                                                            |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                               |     |     |                                                            |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                     |     |     |                                                            |     |     |       |
| <b>Course ID:</b><br>PriF.KTV/N-bUXX-207/25                                                                                                                                                                     |     |     | <b>Course title:</b><br>Winter Physical-Education Training |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> training session<br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b> 6d<br><b>Form of the course:</b> on-site learning       |     |     |                                                            |     |     |       |
| <b>Number of credits:</b> 1                                                                                                                                                                                     |     |     |                                                            |     |     |       |
| <b>Recommended semester:</b> 1., 3., 5.                                                                                                                                                                         |     |     |                                                            |     |     |       |
| <b>Educational level:</b> I., P                                                                                                                                                                                 |     |     |                                                            |     |     |       |
| <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: 29                                                                                                                                        |     |     |                                                            |     |     |       |
| A                                                                                                                                                                                                               | ABS | B   | C                                                          | D   | E   | FX    |
| 58,62                                                                                                                                                                                                           | 0,0 | 0,0 | 0,0                                                        | 0,0 | 0,0 | 41,38 |
| <b>Lecturers:</b> Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. PaedDr. Simona Rášiová, Mgr. Igor Remák, PhD., Mgr. Denisa Strečanská, PaedDr. Mgr. Lenka Vandáková, Mgr. Kristína Vanýsková |     |     |                                                            |     |     |       |
| <b>Last change:</b>                                                                                                                                                                                             |     |     |                                                            |     |     |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                              |     |     |                                                            |     |     |       |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                           |     |                                                            |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                         |     |                                                            |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                               |     |                                                            |     |     |       |
| <b>Course ID:</b><br>PriF.KTV/N-bXTV-208/25                                                                                                                                                               |     | <b>Course title:</b><br>Winter Physical-Education Training |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> training session<br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b> 6d<br><b>Form of the course:</b> on-site learning |     |                                                            |     |     |       |
| <b>Number of credits:</b> 2                                                                                                                                                                               |     |                                                            |     |     |       |
| <b>Recommended semester:</b> 1., 3., 5.                                                                                                                                                                   |     |                                                            |     |     |       |
| <b>Educational level:</b> I., P                                                                                                                                                                           |     |                                                            |     |     |       |
| <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: 55                                                                                                                                  |     |                                                            |     |     |       |
| A                                                                                                                                                                                                         | B   | C                                                          | D   | E   | FX    |
| 69,09                                                                                                                                                                                                     | 0,0 | 0,0                                                        | 0,0 | 0,0 | 30,91 |
| <b>Lecturers:</b> Mgr. Martin Mokošák, PhD.                                                                                                                                                               |     |                                                            |     |     |       |
| <b>Last change:</b>                                                                                                                                                                                       |     |                                                            |     |     |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                        |     |                                                            |     |     |       |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------|------|------|------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                  |       |                                                                                                           |      |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                |       |                                                                                                           |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                      |       |                                                                                                           |      |      |      |
| <b>Course ID:</b><br>PriF.KEGD/N-bZEG-055/24                                                                                                                                                                                     |       | <b>Course title:</b><br>World, society and development through the eyes of human geography and demography |      |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 26<br><b>Form of the course:</b> on-site learning                               |       |                                                                                                           |      |      |      |
| <b>Number of credits:</b> 3                                                                                                                                                                                                      |       |                                                                                                           |      |      |      |
| <b>Recommended semester:</b> 1., 3.                                                                                                                                                                                              |       |                                                                                                           |      |      |      |
| <b>Educational level:</b> I., P                                                                                                                                                                                                  |       |                                                                                                           |      |      |      |
| <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: 177                                                                                                                                                        |       |                                                                                                           |      |      |      |
| A                                                                                                                                                                                                                                | B     | C                                                                                                         | D    | E    | FX   |
| 33,33                                                                                                                                                                                                                            | 38,42 | 14,69                                                                                                     | 3,95 | 1,69 | 7,91 |
| <b>Lecturers:</b> doc. Mgr. Vladimír Bačík, PhD., prof. RNDr. Branislav Bleha, PhD., Mgr. Jaroslav Rusnák, PhD., prof. RNDr. Ján Buček, CSc., doc. Mgr. Marcel Horňák, PhD., Mgr. Juraj Majo, PhD., RNDr. Martin Plešivčák, PhD. |       |                                                                                                           |      |      |      |
| <b>Last change:</b> 11.09.2024                                                                                                                                                                                                   |       |                                                                                                           |      |      |      |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                               |       |                                                                                                           |      |      |      |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------|-----|-----|-------|
| <b>Academic year:</b> 2025/2026                                                                                                                                                                                                          |     |                                                 |     |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                        |     |                                                 |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                              |     |                                                 |     |     |       |
| <b>Course ID:</b><br>PriF.KTV/N-bXTV-109/22                                                                                                                                                                                              |     | <b>Course title:</b><br>Ďumbier mountain hiking |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> other<br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b> 3d<br><b>Form of the course:</b> on-site learning                                           |     |                                                 |     |     |       |
| <b>Number of credits:</b> 1                                                                                                                                                                                                              |     |                                                 |     |     |       |
| <b>Recommended semester:</b> 1., 3., 5.                                                                                                                                                                                                  |     |                                                 |     |     |       |
| <b>Educational level:</b> I., P                                                                                                                                                                                                          |     |                                                 |     |     |       |
| <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: 479                                                                                                                                                                |     |                                                 |     |     |       |
| A                                                                                                                                                                                                                                        | B   | C                                               | D   | E   | FX    |
| 66,18                                                                                                                                                                                                                                    | 0,0 | 0,0                                             | 0,0 | 0,0 | 33,82 |
| <b>Lecturers:</b> Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, Mgr. Kristína Vanýsková, Mgr. Denisa Strečanská, Mgr. PaedDr. Simona Rášiová, Mgr. Genc Berisha, PhD. |     |                                                 |     |     |       |
| <b>Last change:</b> 01.08.2022                                                                                                                                                                                                           |     |                                                 |     |     |       |
| <b>Approved by:</b> prof. RNDr. Jozef Nosek, DrSc.                                                                                                                                                                                       |     |                                                 |     |     |       |