

## Course descriptions

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## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------|-----|-------|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |       |                                                         |     |       |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                                         |     |       |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                                         |     |       |     |
| <b>Course ID:</b><br>PriF.KFTCh/N-bCFZ-032/16                                                                                                                                                                         |       | <b>Course title:</b><br>2D Chemistry and Nanotechnology |     |       |     |
| <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> 14 / 14<br><b>Form of the course:</b> on-site learning |       |                                                         |     |       |     |
| <b>Number of credits:</b> 2                                                                                                                                                                                           |       |                                                         |     |       |     |
| <b>Recommended semester:</b> 7.                                                                                                                                                                                       |       |                                                         |     |       |     |
| <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: 9                                                                                                                                               |       |                                                         |     |       |     |
| A                                                                                                                                                                                                                     | B     | C                                                       | D   | E     | FX  |
| 55,56                                                                                                                                                                                                                 | 33,33 | 0,0                                                     | 0,0 | 11,11 | 0,0 |
| <b>Lecturers:</b> prof. Ing. Dušan Velič, DrSc.                                                                                                                                                                       |       |                                                         |     |       |     |
| <b>Last change:</b> 14.11.2017                                                                                                                                                                                        |       |                                                         |     |       |     |
| <b>Approved by:</b>                                                                                                                                                                                                   |       |                                                         |     |       |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                                                                      |       |                                                  |       |       |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------|-------|-------|------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                                                                      |       |                                                  |       |       |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                    |       |                                                  |       |       |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                          |       |                                                  |       |       |      |
| <b>Course ID:</b><br>PriF.KAlCh/N-bCXX-009/15                                                                                                                                                                                                                                                        |       | <b>Course title:</b><br>Analytical chemistry (1) |       |       |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 5 / 4 / 2 <b>per level/semester:</b> 70 / 56 / 28<br><b>Form of the course:</b> on-site learning                                                          |       |                                                  |       |       |      |
| <b>Number of credits:</b> 11                                                                                                                                                                                                                                                                         |       |                                                  |       |       |      |
| <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: 252                                                                                                                                                                                                                            |       |                                                  |       |       |      |
| A                                                                                                                                                                                                                                                                                                    | B     | C                                                | D     | E     | FX   |
| 5,56                                                                                                                                                                                                                                                                                                 | 15,48 | 15,87                                            | 28,57 | 31,75 | 2,78 |
| <b>Lecturers:</b> doc. RNDr. Radoslav Halko, PhD., doc. RNDr. Marian Masár, PhD., doc. RNDr. Róbert Bodor, PhD., doc. RNDr. Andrea Vojs Staňová, PhD., doc. RNDr. Róbert Góra, PhD., RNDr. Peter Troška, PhD., Mgr. Jasna Hradski, PhD., prof. PharmDr. Josef Jampílek, PhD., Ing. Roman Szücs, PhD. |       |                                                  |       |       |      |
| <b>Last change:</b> 09.11.2017                                                                                                                                                                                                                                                                       |       |                                                  |       |       |      |
| <b>Approved by:</b>                                                                                                                                                                                                                                                                                  |       |                                                  |       |       |      |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------|------|-------|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                  |       |                                                  |      |       |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                |       |                                                  |      |       |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                      |       |                                                  |      |       |     |
| <b>Course ID:</b><br>PriF.KAlCh/N-bCXX-017/16                                                                                                                                                                                                    |       | <b>Course title:</b><br>Analytical chemistry (2) |      |       |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 / 2 <b>per level/semester:</b> 28 / 28 / 28<br><b>Form of the course:</b> on-site learning      |       |                                                  |      |       |     |
| <b>Number of credits:</b> 5                                                                                                                                                                                                                      |       |                                                  |      |       |     |
| <b>Recommended semester:</b> 8.                                                                                                                                                                                                                  |       |                                                  |      |       |     |
| <b>Educational level:</b> 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: 97                                                                                                                                                                         |       |                                                  |      |       |     |
| A                                                                                                                                                                                                                                                | B     | C                                                | D    | E     | FX  |
| 9,28                                                                                                                                                                                                                                             | 14,43 | 29,9                                             | 26,8 | 19,59 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Radoslav Halko, PhD., doc. RNDr. Marian Masár, PhD., doc. RNDr. Róbert Bodor, PhD., doc. RNDr. Róbert Góra, PhD., doc. RNDr. Andrea Vojs Staňová, PhD., prof. PharmDr. Josef Jampílek, PhD., Ing. Roman Szücs, PhD. |       |                                                  |      |       |     |
| <b>Last change:</b> 09.11.2017                                                                                                                                                                                                                   |       |                                                  |      |       |     |
| <b>Approved by:</b>                                                                                                                                                                                                                              |       |                                                  |      |       |     |

## STATE EXAM DESCRIPTION

|                                                   |                                                 |
|---------------------------------------------------|-------------------------------------------------|
| <b>Academic year:</b> 2021/2022                   |                                                 |
| <b>University:</b> Comenius University Bratislava |                                                 |
| <b>Faculty:</b> Faculty of Natural Sciences       |                                                 |
| <b>Course ID:</b><br>PriF.KOrCh/N-bOBH-100/15     | <b>Course title:</b><br>Bachelor Thesis Defence |
| <b>Number of credits:</b> 8                       |                                                 |
| <b>Educational level:</b> I.                      |                                                 |
| <b>State exam syllabus:</b>                       |                                                 |
| <b>Last change:</b>                               |                                                 |
| <b>Approved by:</b>                               |                                                 |

## STATE EXAM DESCRIPTION

|                                                   |                                                 |
|---------------------------------------------------|-------------------------------------------------|
| <b>Academic year:</b> 2021/2022                   |                                                 |
| <b>University:</b> Comenius University Bratislava |                                                 |
| <b>Faculty:</b> Faculty of Natural Sciences       |                                                 |
| <b>Course ID:</b><br>PriF.KAlCh/N-bOBH-100/15     | <b>Course title:</b><br>Bachelor Thesis Defence |
| <b>Number of credits:</b> 8                       |                                                 |
| <b>Educational level:</b> I.                      |                                                 |
| <b>State exam syllabus:</b>                       |                                                 |
| <b>Last change:</b>                               |                                                 |
| <b>Approved by:</b>                               |                                                 |

## STATE EXAM DESCRIPTION

|                                                   |                                                 |
|---------------------------------------------------|-------------------------------------------------|
| <b>Academic year:</b> 2021/2022                   |                                                 |
| <b>University:</b> Comenius University Bratislava |                                                 |
| <b>Faculty:</b> Faculty of Natural Sciences       |                                                 |
| <b>Course ID:</b><br>PriF.KAgCh/N-bOBH-100/15     | <b>Course title:</b><br>Bachelor Thesis Defense |
| <b>Number of credits:</b> 8                       |                                                 |
| <b>Educational level:</b> I.                      |                                                 |
| <b>State exam syllabus:</b>                       |                                                 |
| <b>Last change:</b>                               |                                                 |
| <b>Approved by:</b>                               |                                                 |

## STATE EXAM DESCRIPTION

|                                                   |                                                 |
|---------------------------------------------------|-------------------------------------------------|
| <b>Academic year:</b> 2021/2022                   |                                                 |
| <b>University:</b> Comenius University Bratislava |                                                 |
| <b>Faculty:</b> Faculty of Natural Sciences       |                                                 |
| <b>Course ID:</b><br>PriF.KFTCh/N-bOBH-100/15     | <b>Course title:</b><br>Bachelor Thesis Defense |
| <b>Number of credits:</b> 8                       |                                                 |
| <b>Educational level:</b> I.                      |                                                 |
| <b>State exam syllabus:</b>                       |                                                 |
| <b>Last change:</b>                               |                                                 |
| <b>Approved by:</b>                               |                                                 |

## STATE EXAM DESCRIPTION

|                                                   |                                                 |
|---------------------------------------------------|-------------------------------------------------|
| <b>Academic year:</b> 2021/2022                   |                                                 |
| <b>University:</b> Comenius University Bratislava |                                                 |
| <b>Faculty:</b> Faculty of Natural Sciences       |                                                 |
| <b>Course ID:</b><br>PriF.KJCh/N-bOBH-100/15      | <b>Course title:</b><br>Bachelor Thesis Defense |
| <b>Number of credits:</b> 8                       |                                                 |
| <b>Educational level:</b> I.                      |                                                 |
| <b>State exam syllabus:</b>                       |                                                 |
| <b>Last change:</b>                               |                                                 |
| <b>Approved by:</b>                               |                                                 |

## STATE EXAM DESCRIPTION

|                                                   |                                                 |
|---------------------------------------------------|-------------------------------------------------|
| <b>Academic year:</b> 2021/2022                   |                                                 |
| <b>University:</b> Comenius University Bratislava |                                                 |
| <b>Faculty:</b> Faculty of Natural Sciences       |                                                 |
| <b>Course ID:</b><br>PriF.KBCh/N-bOBH-100/15      | <b>Course title:</b><br>Bachelor Thesis Defense |
| <b>Number of credits:</b> 8                       |                                                 |
| <b>Educational level:</b> I.                      |                                                 |
| <b>State exam syllabus:</b>                       |                                                 |
| <b>Last change:</b>                               |                                                 |
| <b>Approved by:</b>                               |                                                 |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |      |                                                                                 |      |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------|------|-----|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |      |                                                                                 |      |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |      |                                                                                 |      |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |      |                                                                                 |      |     |     |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCOR-015/16                                                                                                                                                      |      | <b>Course title:</b><br>Bachelor Thesis in Organic and Bioorganic 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> 28<br><b>Form of the course:</b> on-site learning |      |                                                                                 |      |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                        |      |                                                                                 |      |     |     |
| <b>Recommended semester:</b> 7.                                                                                                                                                                    |      |                                                                                 |      |     |     |
| <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  |
| 60,0                                                                                                                                                                                               | 20,0 | 8,0                                                                             | 12,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. Mgr. Radovan Šebesta, DrSc.                                                                                                                                                |      |                                                                                 |      |     |     |
| <b>Last change:</b> 10.11.2017                                                                                                                                                                     |      |                                                                                 |      |     |     |
| <b>Approved by:</b>                                                                                                                                                                                |      |                                                                                 |      |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |                                                                                 |     |     |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------|-----|-----|------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |                                                                                 |     |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |                                                                                 |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |                                                                                 |     |     |      |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCOR-016/16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      | <b>Course title:</b><br>Bachelor Thesis in Organic and Bioorganic Chemistry (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> 28 / 28<br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                 |     |     |      |
| <b>Number of credits:</b> 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |                                                                                 |     |     |      |
| <b>Recommended semester:</b> 8.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |                                                                                 |     |     |      |
| <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: 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |                                                                                 |     |     |      |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | B    | C                                                                               | D   | E   | FX   |
| 87,5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 8,33 | 0,0                                                                             | 0,0 | 0,0 | 4,17 |
| <b>Lecturers:</b> Mgr. Ambroz Almássy, PhD., doc. RNDr. Andrej Boháč, CSc., RNDr. Marek Cigáň, PhD., Mgr. Juraj Filo, PhD., Mgr. Iveta Kmentová, PhD., doc. RNDr. Peter Magdolen, PhD., Mgr. Andrea Martinická, PhD., doc. Ing. Mária Mečiarová, PhD., Ing. Michal Májek, PhD., Mgr. Tibor Peňaška, PhD., Ing. Kristína Plevová, PhD., RNDr. Viera Poláčková, PhD., doc. RNDr. Martin Putala, CSc., PharmDr. Ivica Sigmundová, PhD., Mgr. Henrieta Stankovičová, PhD., RNDr. Pavol Tisovský, PhD., Ing. Eva Veverková, CSc., prof. Mgr. Radovan Šebesta, DrSc., Mgr. Peter Šramel, PhD. |      |                                                                                 |     |     |      |
| <b>Last change:</b> 10.11.2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |                                                                                 |     |     |      |
| <b>Approved by:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |                                                                                 |     |     |      |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |      |                                        |     |     |     |
| <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> 28<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.                                                                                                                                                                  |      |                                        |     |     |     |
| <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: 324                                                                                                                          |      |                                        |     |     |     |
| A                                                                                                                                                                                                  | B    | C                                      | D   | E   | FX  |
| 90,43                                                                                                                                                                                              | 3,09 | 2,78                                   | 0,0 | 0,0 | 3,7 |
| <b>Lecturers:</b> doc. RNDr. Radoslav Beňuš, PhD., Mgr. Silvia Bodoriková, PhD., prof. Mgr. Viktor Černý, Dr.                                                                                      |      |                                        |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                |      |                                        |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                |      |                                        |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------|-------|-------|------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                             |       |                                          |       |       |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                           |       |                                          |       |       |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                 |       |                                          |       |       |      |
| <b>Course ID:</b><br>PriF.KBCh/N-bCXX-016/15                                                                                                                                                                                                |       | <b>Course title:</b><br>Biochemistry (1) |       |       |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 5 / 4 / 2 <b>per level/semester:</b> 70 / 56 / 28<br><b>Form of the course:</b> on-site learning |       |                                          |       |       |      |
| <b>Number of credits:</b> 11                                                                                                                                                                                                                |       |                                          |       |       |      |
| <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: 268                                                                                                                                                                   |       |                                          |       |       |      |
| A                                                                                                                                                                                                                                           | B     | C                                        | D     | E     | FX   |
| 7,46                                                                                                                                                                                                                                        | 17,16 | 26,12                                    | 27,61 | 16,42 | 5,22 |
| <b>Lecturers:</b> prof. RNDr. Marta Kollárová, DrSc., doc. Mgr. Peter Polčic, PhD., prof. RNDr. Katarína Mikušová, DrSc., Mgr. Andrea Cillingová, PhD., Mgr. Júlia Zemanová, PhD., Mgr. Petra Chovančíková, PhD.                            |       |                                          |       |       |      |
| <b>Last change:</b> 27.06.2022                                                                                                                                                                                                              |       |                                          |       |       |      |
| <b>Approved by:</b>                                                                                                                                                                                                                         |       |                                          |       |       |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |       |                                 |       |       |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                 |       |       |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                 |       |       |     |
| <b>Course ID:</b><br>PriF.KGe/N-bCXX-007/15                                                                                                                                                        |       | <b>Course title:</b><br>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> 28<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: 502                                                                                                                          |       |                                 |       |       |     |
| A                                                                                                                                                                                                  | B     | C                               | D     | E     | FX  |
| 20,52                                                                                                                                                                                              | 19,32 | 19,72                           | 22,51 | 17,13 | 0,8 |
| <b>Lecturers:</b> prof. RNDr. Ľubomír Tomáška, DrSc.                                                                                                                                               |       |                                 |       |       |     |
| <b>Last change:</b> 09.11.2017                                                                                                                                                                     |       |                                 |       |       |     |
| <b>Approved by:</b>                                                                                                                                                                                |       |                                 |       |       |     |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |     |                                                                           |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |     |                                                                           |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |     |                                                                           |     |     |     |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-121/19                                                                                                                                                         |     | <b>Course title:</b><br>CLIL 1 – Content and language integrated learning |     |     |     |
| <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> 28<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: 12                                                                                                                           |     |                                                                           |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                                         | D   | E   | FX  |
| 100,0                                                                                                                                                                                              | 0,0 | 0,0                                                                       | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Barbara Kordíková, PhD.                                                                                                                                                     |     |                                                                           |     |     |     |
| <b>Last change:</b> 07.01.2020                                                                                                                                                                     |     |                                                                           |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                |     |                                                                           |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                             |     |                                                                           |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                           |     |                                                                           |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                 |     |                                                                           |     |     |     |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-122/19                                                                                                                                                  |     | <b>Course title:</b><br>CLIL 2 – Content and language integrated learning |     |     |     |
| <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: 28</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.                                                                                                                                                                |     |                                                                           |     |     |     |
| <b>Prerequisites:</b> PriF.KJ/N-bXCJ-121/19 - CLIL 1 – Content and language integrated learning                                                                                             |     |                                                                           |     |     |     |
| <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  |
| 100,0                                                                                                                                                                                       | 0,0 | 0,0                                                                       | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Barbara Kordíková, PhD.                                                                                                                                              |     |                                                                           |     |     |     |
| <b>Last change:</b> 07.01.2020                                                                                                                                                              |     |                                                                           |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                         |     |                                                                           |     |     |     |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------|-------|-------|-------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |       |                                                  |       |       |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                  |       |       |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                  |       |       |       |
| <b>Course ID:</b><br>PriF.KAgCh/N-bCXX-002/15                                                                                                                                                      |       | <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> 28<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: 794                                                                                                                          |       |                                                  |       |       |       |
| A                                                                                                                                                                                                  | B     | C                                                | D     | E     | FX    |
| 21,16                                                                                                                                                                                              | 15,99 | 13,48                                            | 11,96 | 16,62 | 20,78 |
| <b>Lecturers:</b> doc. RNDr. Jozef Tatiersky, PhD., Mgr. Olivier Monfort, PhD.                                                                                                                     |       |                                                  |       |       |       |
| <b>Last change:</b> 09.11.2017                                                                                                                                                                     |       |                                                  |       |       |       |
| <b>Approved by:</b>                                                                                                                                                                                |       |                                                  |       |       |       |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------|------|------|-------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |      |                                                  |      |      |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |      |                                                  |      |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |      |                                                  |      |      |       |
| <b>Course ID:</b><br>PriF.KAgCh/N-bCAG-005/15                                                                                                                                                      |      | <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> 28<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: 97                                                                                                                           |      |                                                  |      |      |       |
| A                                                                                                                                                                                                  | B    | C                                                | D    | E    | FX    |
| 50,52                                                                                                                                                                                              | 8,25 | 10,31                                            | 5,15 | 4,12 | 21,65 |
| <b>Lecturers:</b> doc. RNDr. Jozef Tatiersky, PhD., RNDr. Ján Šimunek, PhD.                                                                                                                        |      |                                                  |      |      |       |
| <b>Last change:</b> 14.11.2017                                                                                                                                                                     |      |                                                  |      |      |       |
| <b>Approved by:</b>                                                                                                                                                                                |      |                                                  |      |      |       |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------|-----|-----|------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                   |      |                                            |     |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                 |      |                                            |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                       |      |                                            |     |     |      |
| <b>Course ID:</b><br>PriF.KAlCh/N-bCXX-007/15                                                                                                                                                     |      | <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> 1t<br><b>Form of the course:</b> on-site learning |      |                                            |     |     |      |
| <b>Number of credits:</b> 1                                                                                                                                                                       |      |                                            |     |     |      |
| <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: 144                                                                                                                         |      |                                            |     |     |      |
| A                                                                                                                                                                                                 | B    | C                                          | D   | E   | FX   |
| 84,72                                                                                                                                                                                             | 7,64 | 1,39                                       | 0,0 | 0,0 | 6,25 |
| <b>Lecturers:</b> RNDr. Jana Chrappová, PhD., Ing. Eva Veverková, CSc., RNDr. Robert Kubinec, CSc., doc. RNDr. Michal Galamboš, PhD., RNDr. Eva Viglašová, PhD.                                   |      |                                            |     |     |      |
| <b>Last change:</b> 14.11.2017                                                                                                                                                                    |      |                                            |     |     |      |
| <b>Approved by:</b>                                                                                                                                                                               |      |                                            |     |     |      |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------|------|-----|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                                        |       |                                              |      |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                      |       |                                              |      |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                            |       |                                              |      |     |     |
| <b>Course ID:</b><br>PriF.KAgCh/N-bCXX-007/16                                                                                                                                                                                                                          |       | <b>Course title:</b><br>Chemical Informatics |      |     |     |
| <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> 14<br><b>Form of the course:</b> on-site learning                                                                     |       |                                              |      |     |     |
| <b>Number of credits:</b> 1                                                                                                                                                                                                                                            |       |                                              |      |     |     |
| <b>Recommended semester:</b> 7.                                                                                                                                                                                                                                        |       |                                              |      |     |     |
| <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: 204                                                                                                                                                                                              |       |                                              |      |     |     |
| A                                                                                                                                                                                                                                                                      | B     | C                                            | D    | E   | FX  |
| 76,96                                                                                                                                                                                                                                                                  | 14,22 | 5,88                                         | 2,94 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. Ing. Karol Jesenák, PhD., prof. RNDr. Vladimír Kellö, DrSc., prof. Mgr. Radovan Šebesta, DrSc., RNDr. Robert Kubinec, CSc., doc. RNDr. Róbert Bodor, PhD., Mgr. Stanislav Huszár, PhD., Mgr. Filip Brázdovič, PhD., RNDr. Jana Slimáková, PhD. |       |                                              |      |     |     |
| <b>Last change:</b> 09.11.2017                                                                                                                                                                                                                                         |       |                                              |      |     |     |
| <b>Approved by:</b>                                                                                                                                                                                                                                                    |       |                                              |      |     |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |       |                                              |       |      |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                              |       |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                              |       |      |     |
| <b>Course ID:</b><br>PriF.KJCh/N-bCXX-024/16                                                                                                                                                       |       | <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> 1 <b>per level/semester:</b> 14<br><b>Form of the course:</b> on-site learning |       |                                              |       |      |     |
| <b>Number of credits:</b> 1                                                                                                                                                                        |       |                                              |       |      |     |
| <b>Recommended semester:</b> 8.                                                                                                                                                                    |       |                                              |       |      |     |
| <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: 96                                                                                                                           |       |                                              |       |      |     |
| A                                                                                                                                                                                                  | B     | C                                            | D     | E    | FX  |
| 35,42                                                                                                                                                                                              | 21,88 | 20,83                                        | 13,54 | 8,33 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Oľga Roszkopfová, PhD., Mgr. Jana Šmelková, PhD.                                                                                                                      |       |                                              |       |      |     |
| <b>Last change:</b> 14.11.2017                                                                                                                                                                     |       |                                              |       |      |     |
| <b>Approved by:</b>                                                                                                                                                                                |       |                                              |       |      |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |      |                                            |       |       |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |      |                                            |       |       |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |      |                                            |       |       |      |
| <b>Course ID:</b><br>PriF.KFTCh/N-bCXX-022/15                                                                                                                                                                         |      | <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> 28 / 14<br><b>Form of the course:</b> on-site learning |      |                                            |       |       |      |
| <b>Number of credits:</b> 4                                                                                                                                                                                           |      |                                            |       |       |      |
| <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: 126                                                                                                                                             |      |                                            |       |       |      |
| A                                                                                                                                                                                                                     | B    | C                                          | D     | E     | FX   |
| 22,22                                                                                                                                                                                                                 | 24,6 | 25,4                                       | 13,49 | 11,11 | 3,17 |
| <b>Lecturers:</b> prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                 |      |                                            |       |       |      |
| <b>Last change:</b> 13.11.2017                                                                                                                                                                                        |      |                                            |       |       |      |
| <b>Approved by:</b>                                                                                                                                                                                                   |      |                                            |       |       |      |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                          |      |                                            |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                        |      |                                            |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                              |      |                                            |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/N-bCXX-017/16                                                                                                                                                                            |      | <b>Course title:</b><br>Chemical modelling |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture<br><b>Number of hours:</b><br><b>per week:</b> 1 / 1 <b>per level/semester:</b> 14 / 14<br><b>Form of the course:</b> on-site learning |      |                                            |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                                              |      |                                            |     |     |     |
| <b>Recommended semester:</b> 7.                                                                                                                                                                                          |      |                                            |     |     |     |
| <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: 93                                                                                                                                                 |      |                                            |     |     |     |
| A                                                                                                                                                                                                                        | B    | C                                          | D   | E   | FX  |
| 82,8                                                                                                                                                                                                                     | 17,2 | 0,0                                        | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Ivan Černušák, DrSc., RNDr. Lukáš Félix Pašteka, PhD., prof. Mgr. Radovan Šebesta, DrSc., Mgr. Andrea Martinická, PhD., Ing. Michal Májek, PhD.                                            |      |                                            |     |     |     |
| <b>Last change:</b> 13.11.2017                                                                                                                                                                                           |      |                                            |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                                      |      |                                            |     |     |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |     |                                             |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |     |                                             |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |     |                                             |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/N-bCFZ-034/17                                                                                                                                                      |     | <b>Course title:</b><br>Colloidal 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> 28<br><b>Form of the course:</b> on-site learning |     |                                             |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                        |     |                                             |     |     |     |
| <b>Recommended semester:</b> 7.                                                                                                                                                                    |     |                                             |     |     |     |
| <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. Ing. Marián Janek, PhD.                                                                                                                                                     |     |                                             |     |     |     |
| <b>Last change:</b> 08.02.2018                                                                                                                                                                     |     |                                             |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                |     |                                             |     |     |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                       |      |                                                         |      |     |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                     |      |                                                         |      |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |      |                                                         |      |     |       |
| <b>Course ID:</b><br>PriF-FMFI.KDMFI/N-bCXX-006/20                                                                                                                                                    |      | <b>Course title:</b><br>Doplnkové cvičenia z fyziky (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> 28<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: 65                                                                                                                              |      |                                                         |      |     |       |
| A                                                                                                                                                                                                     | B    | C                                                       | D    | E   | FX    |
| 23,08                                                                                                                                                                                                 | 20,0 | 32,31                                                   | 1,54 | 0,0 | 23,08 |
| <b>Lecturers:</b> PaedDr. Lukáš Bartošovič, PhD., Mgr. Karolína Šromeková                                                                                                                             |      |                                                         |      |     |       |
| <b>Last change:</b>                                                                                                                                                                                   |      |                                                         |      |     |       |
| <b>Approved by:</b>                                                                                                                                                                                   |      |                                                         |      |     |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                       |       |                                                         |       |       |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                     |       |                                                         |       |       |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |       |                                                         |       |       |       |
| <b>Course ID:</b><br>PriF-FMFI.KDMFI/N-bCXX-013/20                                                                                                                                                    |       | <b>Course title:</b><br>Doplnkové cvičenia z fyziky (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> 28<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: 54                                                                                                                              |       |                                                         |       |       |       |
| A                                                                                                                                                                                                     | B     | C                                                       | D     | E     | FX    |
| 3,7                                                                                                                                                                                                   | 14,81 | 16,67                                                   | 12,96 | 11,11 | 40,74 |
| <b>Lecturers:</b> PaedDr. Lukáš Bartošovič, PhD.                                                                                                                                                      |       |                                                         |       |       |       |
| <b>Last change:</b>                                                                                                                                                                                   |       |                                                         |       |       |       |
| <b>Approved by:</b>                                                                                                                                                                                   |       |                                                         |       |       |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                       |     |                                                             |      |       |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                     |     |                                                             |      |       |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |     |                                                             |      |       |       |
| <b>Course ID:</b><br>PriF-FMFI.KAG/N-<br>bCXX-005/20                                                                                                                                                  |     | <b>Course title:</b><br>Doplnkové cvičenia z matematiky (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> 28<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: 54                                                                                                                              |     |                                                             |      |       |       |
| A                                                                                                                                                                                                     | B   | C                                                           | D    | E     | FX    |
| 22,22                                                                                                                                                                                                 | 0,0 | 35,19                                                       | 5,56 | 20,37 | 16,67 |
| <b>Lecturers:</b> doc. RNDr. Pavel Chalmovianský, PhD., Mgr. Adriana Bosáková, Ing. Martin Čavarga                                                                                                    |     |                                                             |      |       |       |
| <b>Last change:</b>                                                                                                                                                                                   |     |                                                             |      |       |       |
| <b>Approved by:</b>                                                                                                                                                                                   |     |                                                             |      |       |       |

## COURSE DESCRIPTION

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------|-------|------|-------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                       |      |                                                             |       |      |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                     |      |                                                             |       |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |      |                                                             |       |      |       |
| <b>Course ID:</b><br>PriF-FMFI.KAG/N-<br>bCXX-012/20                                                                                                                                                  |      | <b>Course title:</b><br>Doplnkové cvičenia z matematiky (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> 28<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: 48                                                                                                                              |      |                                                             |       |      |       |
| A                                                                                                                                                                                                     | B    | C                                                           | D     | E    | FX    |
| 10,42                                                                                                                                                                                                 | 6,25 | 12,5                                                        | 18,75 | 6,25 | 45,83 |
| <b>Lecturers:</b> Ing. Martin Čavarga                                                                                                                                                                 |      |                                                             |       |      |       |
| <b>Last change:</b>                                                                                                                                                                                   |      |                                                             |       |      |       |
| <b>Approved by:</b>                                                                                                                                                                                   |      |                                                             |       |      |       |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |     |                                                                                             |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |     |                                                                                             |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |     |                                                                                             |     |     |     |
| <b>Course ID:</b><br>PriF.KBo/N-bCEC-336/16                                                                                                                                                                           |     | <b>Course title:</b><br>Ecotoxicology and evaluation of chemical effects on the environment |     |     |     |
| <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> 28 / 14<br><b>Form of the course:</b> on-site learning |     |                                                                                             |     |     |     |
| <b>Number of credits:</b> 4                                                                                                                                                                                           |     |                                                                                             |     |     |     |
| <b>Recommended semester:</b> 7.                                                                                                                                                                                       |     |                                                                                             |     |     |     |
| <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  |
| 100,0                                                                                                                                                                                                                 | 0,0 | 0,0                                                                                         | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Karol Mičieta, PhD., Mgr. Henrieta Stankovičová, PhD.                                                                                                                                   |     |                                                                                             |     |     |     |
| <b>Last change:</b> 10.11.2017                                                                                                                                                                                        |     |                                                                                             |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                                   |     |                                                                                             |     |     |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |     |                                                                  |      |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |     |                                                                  |      |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |     |                                                                  |      |     |     |
| <b>Course ID:</b><br>PriF.KAlCh/N-bCXX-018/17                                                                                                                                                      |     | <b>Course title:</b><br>Elective 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> 14<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: 131                                                                                                                          |     |                                                                  |      |     |     |
| A                                                                                                                                                                                                  | B   | C                                                                | D    | E   | FX  |
| 90,84                                                                                                                                                                                              | 8,4 | 0,0                                                              | 0,76 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Róbert Bodor, PhD., doc. RNDr. Radoslav Halko, PhD.                                                                                                                   |     |                                                                  |      |     |     |
| <b>Last change:</b> 10.01.2020                                                                                                                                                                     |     |                                                                  |      |     |     |
| <b>Approved by:</b>                                                                                                                                                                                |     |                                                                  |      |     |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |       |                                                         |      |      |      |
| <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> 28<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: 222                                                                                                                          |       |                                                         |      |      |      |
| A                                                                                                                                                                                                  | B     | C                                                       | D    | E    | FX   |
| 54,5                                                                                                                                                                                               | 18,47 | 6,31                                                    | 3,15 | 7,66 | 9,91 |
| <b>Lecturers:</b> PaedDr. Jana Jakubičková, PhD., doc. PaedDr. Klára Velmovská, PhD.                                                                                                               |       |                                                         |      |      |      |
| <b>Last change:</b> 15.11.2017                                                                                                                                                                     |       |                                                         |      |      |      |
| <b>Approved by:</b>                                                                                                                                                                                |       |                                                         |      |      |      |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------|------|------|-------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                                            |       |                                                               |      |      |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                          |       |                                                               |      |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                |       |                                                               |      |      |       |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCOR-001/15                                                                                                                                                                                                                              |       | <b>Course title:</b><br>Elective Seminar in 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> 28<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: 437                                                                                                                                                                                                  |       |                                                               |      |      |       |
| A                                                                                                                                                                                                                                                                          | B     | C                                                             | D    | E    | FX    |
| 33,87                                                                                                                                                                                                                                                                      | 19,45 | 16,93                                                         | 10,3 | 9,38 | 10,07 |
| <b>Lecturers:</b> doc. Ing. Mária Mečiarová, PhD., doc. RNDr. Peter Magdolen, PhD., RNDr. Viera Poláčková, PhD., Mgr. Andrea Martinická, PhD., Mgr. Henrieta Stankovičová, PhD., Mgr. Tibor Peňaška, PhD., Mgr. Dominika Krištofiková, PhD., Mgr. Viktória Némethová, PhD. |       |                                                               |      |      |       |
| <b>Last change:</b> 15.11.2017                                                                                                                                                                                                                                             |       |                                                               |      |      |       |
| <b>Approved by:</b>                                                                                                                                                                                                                                                        |       |                                                               |      |      |       |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------|-------|------|-------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |       |                                                               |       |      |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                               |       |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                               |       |      |       |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCOR-008/16                                                                                                                                                      |       | <b>Course title:</b><br>Elective Seminar in 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> 28<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: 146                                                                                                                          |       |                                                               |       |      |       |
| A                                                                                                                                                                                                  | B     | C                                                             | D     | E    | FX    |
| 26,03                                                                                                                                                                                              | 20,55 | 23,29                                                         | 14,38 | 4,79 | 10,96 |
| <b>Lecturers:</b> doc. Ing. Mária Mečiarová, PhD.                                                                                                                                                  |       |                                                               |       |      |       |
| <b>Last change:</b> 27.11.2019                                                                                                                                                                     |       |                                                               |       |      |       |
| <b>Approved by:</b>                                                                                                                                                                                |       |                                                               |       |      |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                            |       |                                   |      |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                          |       |                                   |      |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                |       |                                   |      |     |      |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-070/10                                                                                                                                                                                 |       | <b>Course title:</b><br>English 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> 28<br><b>Form of the course:</b> on-site learning                         |       |                                   |      |     |      |
| <b>Number of credits:</b> 2                                                                                                                                                                                                |       |                                   |      |     |      |
| <b>Recommended semester:</b> 3., 5.                                                                                                                                                                                        |       |                                   |      |     |      |
| <b>Educational level:</b> I.                                                                                                                                                                                               |       |                                   |      |     |      |
| <b>Prerequisites:</b> PriF.KJ/N-bXCJ-120/19 - Foreign language placement test                                                                                                                                              |       |                                   |      |     |      |
| <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: 4305                                                                                                                                                 |       |                                   |      |     |      |
| A                                                                                                                                                                                                                          | B     | C                                 | D    | E   | FX   |
| 45,09                                                                                                                                                                                                                      | 25,32 | 15,82                             | 7,55 | 4,6 | 1,63 |
| <b>Lecturers:</b> PhDr. Jarmila Cihová, PhD., PhDr. Štefánia Dugovičová, PhD., PhDr. Oľga Pažitková, CSc., RNDr. Tatiana Slováková, PhD., Mgr. Barbara Kordíková, PhD., Mgr. Lenka Jeleňová, PaedDr. Stanislav Kováč, PhD. |       |                                   |      |     |      |
| <b>Last change:</b> 07.01.2020                                                                                                                                                                                             |       |                                   |      |     |      |
| <b>Approved by:</b>                                                                                                                                                                                                        |       |                                   |      |     |      |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------|------|------|------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                            |       |                                   |      |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                          |       |                                   |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                |       |                                   |      |      |      |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-071/10                                                                                                                                                                                 |       | <b>Course title:</b><br>English 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> 28<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> PriF.KJ/N-bXCJ-070/10 - English 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: 4022                                                                                                                                                 |       |                                   |      |      |      |
| A                                                                                                                                                                                                                          | B     | C                                 | D    | E    | FX   |
| 54,08                                                                                                                                                                                                                      | 23,05 | 13,6                              | 5,02 | 3,28 | 0,97 |
| <b>Lecturers:</b> PhDr. Jarmila Cihová, PhD., PhDr. Štefánia Dugovičová, PhD., PhDr. Oľga Pažitková, CSc., RNDr. Tatiana Slováková, PhD., Mgr. Barbara Kordíková, PhD., PaedDr. Stanislav Kováč, PhD., Mgr. Lenka Jeleňová |       |                                   |      |      |      |
| <b>Last change:</b> 07.01.2020                                                                                                                                                                                             |       |                                   |      |      |      |
| <b>Approved by:</b>                                                                                                                                                                                                        |       |                                   |      |      |      |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------|------|------|------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                              |       |                                   |      |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                            |       |                                   |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                  |       |                                   |      |      |      |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-086/10                                                                                                                                                                                                   |       | <b>Course title:</b><br>English 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> 28<br><b>Form of the course:</b> on-site learning                                        |       |                                   |      |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                                                                  |       |                                   |      |      |      |
| <b>Recommended semester:</b> 3., 5.                                                                                                                                                                                                          |       |                                   |      |      |      |
| <b>Educational level:</b> I.                                                                                                                                                                                                                 |       |                                   |      |      |      |
| <b>Prerequisites:</b> PriF.KJ/N-bXCJ-070/10 - English 1 and PriF.KJ/N-bXCJ-071/10 - English 2 or PriF.KJ/N-bXCJ-114/16 - English language for Chemistry students (2) and PriF.KJ/N-bXCJ-113/16 - English language for Chemistry students (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: 611                                                                                                                                                                    |       |                                   |      |      |      |
| A                                                                                                                                                                                                                                            | B     | C                                 | D    | E    | FX   |
| 66,28                                                                                                                                                                                                                                        | 22,09 | 7,04                              | 2,29 | 0,98 | 1,31 |
| <b>Lecturers:</b> PhDr. Jarmila Cihová, PhD., PhDr. Štefánia Dugovičová, PhD., PhDr. Oľga Pažitková, CSc., RNDr. Tatiana Slováková, PhD., Mgr. Barbara Kordíková, PhD., Mgr. Aneta Barnes                                                    |       |                                   |      |      |      |
| <b>Last change:</b> 08.01.2020                                                                                                                                                                                                               |       |                                   |      |      |      |
| <b>Approved by:</b>                                                                                                                                                                                                                          |       |                                   |      |      |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                       |       |                                   |      |      |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------|------|------|------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                       |       |                                   |      |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                     |       |                                   |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |       |                                   |      |      |      |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-087/10                                                                                                                                                            |       | <b>Course title:</b><br>English 4 |      |      |      |
| <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> 28<br><b>Form of the course:</b> on-site learning |       |                                   |      |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                           |       |                                   |      |      |      |
| <b>Recommended semester:</b> 4., 6.                                                                                                                                                                   |       |                                   |      |      |      |
| <b>Educational level:</b> I.                                                                                                                                                                          |       |                                   |      |      |      |
| <b>Prerequisites:</b> PriF.KJ/N-bXCJ-070/10 - English 1 and PriF.KJ/N-bXCJ-071/10 - English 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: 362                                                                                                                             |       |                                   |      |      |      |
| A                                                                                                                                                                                                     | B     | C                                 | D    | E    | FX   |
| 73,48                                                                                                                                                                                                 | 19,89 | 5,52                              | 0,55 | 0,28 | 0,28 |
| <b>Lecturers:</b> PhDr. Jarmila Cihová, PhD., PhDr. Štefánia Dugovičová, PhD., PhDr. Oľga Pažitková, CSc., RNDr. Tatiana Slováková, PhD., Mgr. Barbara Kordíková, PhD., Mgr. Aneta Barnes             |       |                                   |      |      |      |
| <b>Last change:</b> 08.01.2020                                                                                                                                                                        |       |                                   |      |      |      |
| <b>Approved by:</b>                                                                                                                                                                                   |       |                                   |      |      |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |     |                                                                          |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |     |                                                                          |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |     |                                                                          |     |     |     |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-123/19                                                                                                                                                         |     | <b>Course title:</b><br>English Placement Test for Students of Chemistry |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                     |     |                                                                          |     |     |     |
| <b>Number of credits:</b> 1                                                                                                                                                                        |     |                                                                          |     |     |     |
| <b>Recommended semester:</b> 1., 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: 222                                                                                                                          |     |                                                                          |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                                        | D   | E   | FX  |
| 99,55                                                                                                                                                                                              | 0,0 | 0,45                                                                     | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> PhDr. Jarmila Cihová, PhD., PhDr. Štefánia Dugovičová, PhD., Mgr. Barbara Kordíková, PhD., PhDr. Oľga Pažitková, CSc., RNDr. Tatiana Slováková, PhD., Mgr. Karin Rózsová Wolfová |     |                                                                          |     |     |     |
| <b>Last change:</b> 08.01.2020                                                                                                                                                                     |     |                                                                          |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                |     |                                                                          |     |     |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |       |                                                                     |     |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                                     |     |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                                     |     |      |      |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-113/16                                                                                                                                                         |       | <b>Course title:</b><br>English language for Chemistry students (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> 28<br><b>Form of the course:</b> on-site learning |       |                                                                     |     |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                        |       |                                                                     |     |      |      |
| <b>Recommended semester:</b> 3., 5.                                                                                                                                                                |       |                                                                     |     |      |      |
| <b>Educational level:</b> I.                                                                                                                                                                       |       |                                                                     |     |      |      |
| <b>Prerequisites:</b> PriF.KJ/N-bXCJ-123/19 - English Placement Test for Students of 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: 212                                                                                                                          |       |                                                                     |     |      |      |
| A                                                                                                                                                                                                  | B     | C                                                                   | D   | E    | FX   |
| 56,6                                                                                                                                                                                               | 28,77 | 8,02                                                                | 3,3 | 2,36 | 0,94 |
| <b>Lecturers:</b> Mgr. Barbara Kordíková, PhD., PaedDr. Stanislav Kováč, PhD.                                                                                                                      |       |                                                                     |     |      |      |
| <b>Last change:</b> 08.01.2020                                                                                                                                                                     |       |                                                                     |     |      |      |
| <b>Approved by:</b>                                                                                                                                                                                |       |                                                                     |     |      |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |       |                                                                     |      |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                                     |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                                     |      |      |      |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-114/16                                                                                                                                                         |       | <b>Course title:</b><br>English language for Chemistry students (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> 28<br><b>Form of the course:</b> on-site learning |       |                                                                     |      |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                        |       |                                                                     |      |      |      |
| <b>Recommended semester:</b> 4., 6.                                                                                                                                                                |       |                                                                     |      |      |      |
| <b>Educational level:</b> I.                                                                                                                                                                       |       |                                                                     |      |      |      |
| <b>Prerequisites:</b> PriF.KJ/N-bXCJ-113/16 - English language for Chemistry students (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: 232                                                                                                                          |       |                                                                     |      |      |      |
| A                                                                                                                                                                                                  | B     | C                                                                   | D    | E    | FX   |
| 65,52                                                                                                                                                                                              | 21,98 | 6,9                                                                 | 3,45 | 1,29 | 0,86 |
| <b>Lecturers:</b> Mgr. Barbara Kordíková, PhD., PaedDr. Stanislav Kováč, PhD.                                                                                                                      |       |                                                                     |      |      |      |
| <b>Last change:</b> 08.01.2020                                                                                                                                                                     |       |                                                                     |      |      |      |
| <b>Approved by:</b>                                                                                                                                                                                |       |                                                                     |      |      |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |     |                                                             |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |     |                                                             |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |     |                                                             |     |     |     |
| <b>Course ID:</b><br>PriF.KAlCh/N-bCEC-337/16                                                                                                                                                      |     | <b>Course title:</b><br>Environmental Analysis Fundamentals |     |     |     |
| <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> 28<br><b>Form of the course:</b> on-site learning |     |                                                             |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                        |     |                                                             |     |     |     |
| <b>Recommended semester:</b> 7.                                                                                                                                                                    |     |                                                             |     |     |     |
| <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. Robert Kubinec, CSc.                                                                                                                                                       |     |                                                             |     |     |     |
| <b>Last change:</b> 15.11.2017                                                                                                                                                                     |     |                                                             |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                |     |                                                             |     |     |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |       |                                                 |      |      |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                                 |      |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                                 |      |      |     |
| <b>Course ID:</b><br>PriF.KAlCh/N-bCXX-043/15                                                                                                                                                                         |       | <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> 28 / 14<br><b>Form of the course:</b> on-site learning |       |                                                 |      |      |     |
| <b>Number of credits:</b> 3                                                                                                                                                                                           |       |                                                 |      |      |     |
| <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: 109                                                                                                                                             |       |                                                 |      |      |     |
| A                                                                                                                                                                                                                     | B     | C                                               | D    | E    | FX  |
| 38,53                                                                                                                                                                                                                 | 37,61 | 14,68                                           | 8,26 | 0,92 | 0,0 |
| <b>Lecturers:</b> RNDr. Renáta Górová, PhD., RNDr. Helena Jurdáková, PhD.                                                                                                                                             |       |                                                 |      |      |     |
| <b>Last change:</b> 10.11.2017                                                                                                                                                                                        |       |                                                 |      |      |     |
| <b>Approved by:</b>                                                                                                                                                                                                   |       |                                                 |      |      |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                   |       |                                                            |      |      |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                 |       |                                                            |      |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                       |       |                                                            |      |      |     |
| <b>Course ID:</b><br>PriF.KFTCh/N-bCXX-019/16                                                                                                                                                     |       | <b>Course title:</b><br>Exercise in Physical Chemistry (2) |      |      |     |
| <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> 6d<br><b>Form of the course:</b> on-site learning |       |                                                            |      |      |     |
| <b>Number of credits:</b> 1                                                                                                                                                                       |       |                                                            |      |      |     |
| <b>Recommended semester:</b> 7.                                                                                                                                                                   |       |                                                            |      |      |     |
| <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  |
| 46,51                                                                                                                                                                                             | 30,23 | 16,28                                                      | 5,81 | 1,16 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Ivan Valent, CSc., Mgr. Táňa Sebechlebská, PhD., RNDr. Eva Noskovičová, PhD., Mgr. Daniel Furka, PhD.                                                                |       |                                                            |      |      |     |
| <b>Last change:</b> 27.12.2019                                                                                                                                                                    |       |                                                            |      |      |     |
| <b>Approved by:</b>                                                                                                                                                                               |       |                                                            |      |      |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |     |                                                         |     |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |     |                                                         |     |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |     |                                                         |     |      |      |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-120/19                                                                                                                                                         |     | <b>Course title:</b><br>Foreign language placement test |     |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                     |     |                                                         |     |      |      |
| <b>Number of credits:</b> 1                                                                                                                                                                        |     |                                                         |     |      |      |
| <b>Recommended semester:</b> 1., 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: 1291                                                                                                                         |     |                                                         |     |      |      |
| A                                                                                                                                                                                                  | B   | C                                                       | D   | E    | FX   |
| 99,77                                                                                                                                                                                              | 0,0 | 0,0                                                     | 0,0 | 0,15 | 0,08 |
| <b>Lecturers:</b> PhDr. Jarmila Cihová, PhD., PhDr. Štefánia Dugovičová, PhD., Mgr. Barbara Kordíková, PhD., PhDr. Oľga Pažitková, CSc., Mgr. Karin Rózsová Wolfová, RNDr. Tatiana Slovákova, PhD. |     |                                                         |     |      |      |
| <b>Last change:</b> 08.01.2020                                                                                                                                                                     |     |                                                         |     |      |      |
| <b>Approved by:</b>                                                                                                                                                                                |     |                                                         |     |      |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                 |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                 |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |
| <b>Course ID:</b><br>PriF-FMFI.KEF/N-<br>bCXX-018/15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Course title:</b><br>Fundamentals of Physics |
| <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> 14 / 28<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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                 |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                 |
| <b>Course requirements:</b><br>continuous assessment: controlled test in the middle of the semester, final assessment: written test,<br>Indicative rating scale: A 90%, B 80%, C 70%, D 60%, E 50%. Credits will not be awarded to a<br>student who obtains a grade of less than 50%.<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<br>can use the acquired knowledge in solving physics problems and reach the required entry level<br>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<br>determination of its position in 1D, 2D, 3D; Mass point motions: velocity, acceleration, force,<br>Newton's laws of dynamics. circular motion, oscillations and waves. Kinetic and potential<br>energy, momentum, work, power, conservation laws in mechanics, torque, pressure, hydrostatics,<br>hydrodynamics. Temperature, heat, gas statistics, thermodynamics. Gravitational field, Kepler's<br>laws. Electric field, Coulomb's law, intensity and potential of el. field, el. voltage, homogeneous el.<br>field, el. current and resistance. Magnetic field - a vector of magnetic induction, the force acting<br>on an electric charge (current) in a magnetic field, electromagnetic induction, electromagnetic<br>radiation, |                                                 |
| <b>Recommended literature:</b><br>V.Hajko a kol.: Fyzika v príkladoch, ALFA 1983, Bratislava.<br>F.Hanzelík a kol.: Zbierka riešených úloh z fyziky, ALFA 1989, Bratislava.<br>D. Halliday, R. Resnick, J. Walker: Fundamentals of Physics, Wiley.<br>J. Kúdelčík, P. Hockicko: Základy fyziky, Žilinská univerzita, 2011                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                 |
| <b>Languages necessary to complete the course:</b><br>Slovak in combination with English (study literature also in English)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                 |

**Notes:**

The elective course is provided only in the winter semester and runs concurrently for students of chemistry, biochemistry and medical biology.

**Past grade distribution**

Total number of evaluated students: 171

| A     | B    | C   | D     | E    | FX  |
|-------|------|-----|-------|------|-----|
| 40,35 | 19,3 | 7,6 | 28,07 | 4,68 | 0,0 |

**Lecturers:** doc. RNDr. Tomáš Roch, Dr. techn.

**Last change:** 21.06.2022

**Approved by:**

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------|-------|------|------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |       |                                         |       |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                         |       |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                         |       |      |      |
| <b>Course ID:</b><br>PriF.KGe/N-bCXX-008/15                                                                                                                                                        |       | <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> 28<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: 417                                                                                                                          |       |                                         |       |      |      |
| A                                                                                                                                                                                                  | B     | C                                       | D     | E    | FX   |
| 35,49                                                                                                                                                                                              | 21,58 | 19,9                                    | 12,95 | 8,15 | 1,92 |
| <b>Lecturers:</b> prof. RNDr. Ľubomír Tomáška, DrSc.                                                                                                                                               |       |                                         |       |      |      |
| <b>Last change:</b> 15.11.2017                                                                                                                                                                     |       |                                         |       |      |      |
| <b>Approved by:</b>                                                                                                                                                                                |       |                                         |       |      |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |       |                                           |       |       |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                           |       |       |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                           |       |       |      |
| <b>Course ID:</b><br>PriF.KAgCh/N-bCXX-001/15                                                                                                                                                                         |       | <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> 56 / 28<br><b>Form of the course:</b> on-site learning |       |                                           |       |       |      |
| <b>Number of credits:</b> 8                                                                                                                                                                                           |       |                                           |       |       |      |
| <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: 464                                                                                                                                             |       |                                           |       |       |      |
| A                                                                                                                                                                                                                     | B     | C                                         | D     | E     | FX   |
| 10,13                                                                                                                                                                                                                 | 13,36 | 29,96                                     | 23,28 | 18,32 | 4,96 |
| <b>Lecturers:</b> prof. RNDr. Jozef Noga, DrSc., RNDr. Ján Šimunek, PhD.                                                                                                                                              |       |                                           |       |       |      |
| <b>Last change:</b> 09.11.2017                                                                                                                                                                                        |       |                                           |       |       |      |
| <b>Approved by:</b>                                                                                                                                                                                                   |       |                                           |       |       |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                               |     |                                              |     |     |      |
| <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>Genetika pre každého |     |     |      |
| <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> 28<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.                                                                                                                                                                             |     |                                              |     |     |      |
| <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: 368                                                                                                                                     |     |                                              |     |     |      |
| A                                                                                                                                                                                                             | B   | C                                            | D   | E   | FX   |
| 95,38                                                                                                                                                                                                         | 0,0 | 0,0                                          | 0,0 | 0,0 | 4,62 |
| <b>Lecturers:</b> RNDr. Regina Sepšiová, PhD., doc. Mgr. Miroslava Slaninová, Dr., Mgr. Filip Červenák, PhD., doc. RNDr. Andrea Ševčovičová, PhD., doc. RNDr. Eliška Gálová, PhD., Mgr. Stanislav Kyzek, PhD. |     |                                              |     |     |      |
| <b>Last change:</b> 15.05.2021                                                                                                                                                                                |     |                                              |     |     |      |
| <b>Approved by:</b>                                                                                                                                                                                           |     |                                              |     |     |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                                                                                                                                                |       |                                                                     |      |      |     |
| <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> 14 / 14<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.                                                                                                                                                                                                                                                                                                                                              |       |                                                                     |      |      |     |
| <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  |
| 50,0                                                                                                                                                                                                                                                                                                                                                                           | 18,75 | 18,75                                                               | 6,25 | 6,25 | 0,0 |
| <b>Lecturers:</b> Mgr. Rastislav Cákoci, PhD., RNDr. Katarína Danielová, PhD., doc. RNDr. Daniel Guľák, PhD., doc. RNDr. František Križan, PhD., doc. RNDr. Eva Rajčáková, CSc., Mgr. Michala Sládeková Madajová, PhD., RNDr. Angelika Švecová, PhD., 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>                                                                                                                                                                                                                                                                                                                                                            |       |                                                                     |      |      |     |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                     |     |                                             |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                   |     |                                             |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                         |     |                                             |     |     |     |
| <b>Course ID:</b><br>PriF.KMPLG/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> 14 / 28<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.                                                                                                                                                                                                                   |     |                                             |     |     |     |
| <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: 18                                                                                                                                                                            |     |                                             |     |     |     |
| A                                                                                                                                                                                                                                                   | B   | C                                           | D   | E   | FX  |
| 100,0                                                                                                                                                                                                                                               | 0,0 | 0,0                                         | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Roman Aubrecht, Dr., doc. Mgr. Natália Hlavatá Hudáčková, PhD., doc. RNDr. Jozef Hók, CSc., prof. RNDr. Michal Kováč, DrSc., RNDr. Alexander Lačný, PhD., doc. RNDr. Jana Fridrichová, PhD., RNDr. Ondrej Nemec, PhD. |     |                                             |     |     |     |
| <b>Last change:</b> 20.01.2022                                                                                                                                                                                                                      |     |                                             |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                                                                 |     |                                             |     |     |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |       |                                  |       |       |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                  |       |       |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                  |       |       |      |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-072/10                                                                                                                                                         |       | <b>Course title:</b><br>German 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> 28<br><b>Form of the course:</b> on-site learning |       |                                  |       |       |      |
| <b>Number of credits:</b> 2                                                                                                                                                                        |       |                                  |       |       |      |
| <b>Recommended semester:</b> 3., 5.                                                                                                                                                                |       |                                  |       |       |      |
| <b>Educational level:</b> I.                                                                                                                                                                       |       |                                  |       |       |      |
| <b>Prerequisites:</b> PriF.KJ/N-bXCJ-120/19 - Foreign language placement test                                                                                                                      |       |                                  |       |       |      |
| <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: 587                                                                                                                          |       |                                  |       |       |      |
| A                                                                                                                                                                                                  | B     | C                                | D     | E     | FX   |
| 22,15                                                                                                                                                                                              | 19,76 | 25,72                            | 17,21 | 11,58 | 3,58 |
| <b>Lecturers:</b> Mgr. Karin Rózsová Wolfová                                                                                                                                                       |       |                                  |       |       |      |
| <b>Last change:</b> 21.01.2020                                                                                                                                                                     |       |                                  |       |       |      |
| <b>Approved by:</b>                                                                                                                                                                                |       |                                  |       |       |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |       |                                  |       |      |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                  |       |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                  |       |      |     |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-073/10                                                                                                                                                         |       | <b>Course title:</b><br>German 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> 28<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> PriF.KJ/N-bXCJ-072/10 - German 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: 571                                                                                                                          |       |                                  |       |      |     |
| A                                                                                                                                                                                                  | B     | C                                | D     | E    | FX  |
| 25,92                                                                                                                                                                                              | 21,19 | 25,92                            | 16,29 | 7,18 | 3,5 |
| <b>Lecturers:</b> Mgr. Karin Rózsová Wolfová                                                                                                                                                       |       |                                  |       |      |     |
| <b>Last change:</b> 21.01.2020                                                                                                                                                                     |       |                                  |       |      |     |
| <b>Approved by:</b>                                                                                                                                                                                |       |                                  |       |      |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |      |                                  |     |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |      |                                  |     |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |      |                                  |     |      |      |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-096/10                                                                                                                                                         |      | <b>Course title:</b><br>German 3 |     |      |      |
| <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> 28<br><b>Form of the course:</b> on-site learning |      |                                  |     |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                        |      |                                  |     |      |      |
| <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: 94                                                                                                                           |      |                                  |     |      |      |
| A                                                                                                                                                                                                  | B    | C                                | D   | E    | FX   |
| 88,3                                                                                                                                                                                               | 7,45 | 2,13                             | 0,0 | 1,06 | 1,06 |
| <b>Lecturers:</b> Mgr. Karin Rózsová Wolfová                                                                                                                                                       |      |                                  |     |      |      |
| <b>Last change:</b> 15.01.2020                                                                                                                                                                     |      |                                  |     |      |      |
| <b>Approved by:</b>                                                                                                                                                                                |      |                                  |     |      |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |       |                                  |     |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |       |                                  |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                  |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                  |     |     |     |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-097/10                                                                                                                                                         |       | <b>Course title:</b><br>German 4 |     |     |     |
| <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> 28<br><b>Form of the course:</b> on-site learning |       |                                  |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                        |       |                                  |     |     |     |
| <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: 67                                                                                                                           |       |                                  |     |     |     |
| A                                                                                                                                                                                                  | B     | C                                | D   | E   | FX  |
| 88,06                                                                                                                                                                                              | 10,45 | 1,49                             | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Karin Rózsová Wolfová                                                                                                                                                       |       |                                  |     |     |     |
| <b>Last change:</b> 21.01.2020                                                                                                                                                                     |       |                                  |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                |       |                                  |     |     |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |     |                                                                |     |     |     |
| <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>Globálne problémy životného prostredia |     |     |     |
| <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> 28<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.                                                                                                                                                                  |     |                                                                |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                              |     |                                                                |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                        |     |                                                                |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                          |     |                                                                |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                             |     |                                                                |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                     |     |                                                                |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |     |                                                                |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                      |     |                                                                |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 153                                                                                                                          |     |                                                                |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                              | D   | E   | FX  |
| 99,35                                                                                                                                                                                              | 0,0 | 0,65                                                           | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Pavel Dlapa, PhD., RNDr. Martina Zvaríková, PhD., doc. RNDr. Katarína Pavličková, CSc., doc. RNDr. Ľubomír Jurkovič, PhD.                                            |     |                                                                |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                |     |                                                                |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                |     |                                                                |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                          |     |                                            |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                        |     |                                            |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                              |     |                                            |     |     |     |
| <b>Course ID:</b><br>PriF.KEM/N-bXXX-001/19                                                                                                                                                                              |     | <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> 28 / 28<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.                                                                                                                                                                                             |     |                                            |     |     |     |
| <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> RNDr. Jaroslav Bella, doc. Mgr. Miroslava Slaninová, Dr., RNDr. Hubert Žarnovičan, PhD., Mgr. Martin Šebesta, PhD.                                                                                     |     |                                            |     |     |     |
| <b>Last change:</b> 11.02.2020                                                                                                                                                                                           |     |                                            |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                                      |     |                                            |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                          |     |                                            |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                        |     |                                            |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                              |     |                                            |     |     |     |
| <b>Course ID:</b><br>PriF.KEM/N-bXXX-002/19                                                                                                                                                                              |     | <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> 28 / 28<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.                                                                                                                                                                                             |     |                                            |     |     |     |
| <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  |
| 100,0                                                                                                                                                                                                                    | 0,0 | 0,0                                        | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> RNDr. Jaroslav Bella, doc. Mgr. Miroslava Slaninová, Dr., Mgr. Martin Šebesta, PhD.,<br>RNDr. Hubert Žarnovičan, PhD.                                                                                  |     |                                            |     |     |     |
| <b>Last change:</b> 11.02.2020                                                                                                                                                                                           |     |                                            |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                                      |     |                                            |     |     |     |

## COURSE DESCRIPTION

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------|------|-------|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                           |       |                                                                                  |      |       |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                         |       |                                                                                  |      |       |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                               |       |                                                                                  |      |       |     |
| <b>Course ID:</b><br>PriF.KAlCh/N-bCXX-008/15                                                                                                                                                                                             |       | <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> 14 / 14<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: 43                                                                                                                                                                  |       |                                                                                  |      |       |     |
| A                                                                                                                                                                                                                                         | B     | C                                                                                | D    | E     | FX  |
| 23,26                                                                                                                                                                                                                                     | 39,53 | 20,93                                                                            | 4,65 | 11,63 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Róbert Bodor, PhD., doc. RNDr. Radoslav Halko, PhD., doc. RNDr. Marian Masár, PhD., doc. RNDr. Andrea Vojs Staňová, PhD., doc. RNDr. Róbert Góra, PhD., RNDr. Csilla Mišľanová, PhD., Ing. Roman Szücs, PhD. |       |                                                                                  |      |       |     |
| <b>Last change:</b> 14.11.2017                                                                                                                                                                                                            |       |                                                                                  |      |       |     |
| <b>Approved by:</b>                                                                                                                                                                                                                       |       |                                                                                  |      |       |     |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |     |                                                               |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |     |                                                               |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |     |                                                               |     |     |     |
| <b>Course ID:</b><br>PriF.KJCh/N-bCJD-008/16                                                                                                                                                       |     | <b>Course title:</b><br>Information systems in nuclear fields |     |     |     |
| <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> 14<br><b>Form of the course:</b> on-site learning |     |                                                               |     |     |     |
| <b>Number of credits:</b> 1                                                                                                                                                                        |     |                                                               |     |     |     |
| <b>Recommended semester:</b> 7.                                                                                                                                                                    |     |                                                               |     |     |     |
| <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: 7                                                                                                                            |     |                                                               |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                             | D   | E   | FX  |
| 100,0                                                                                                                                                                                              | 0,0 | 0,0                                                           | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> RNDr. Jana Slimáková, PhD.                                                                                                                                                       |     |                                                               |     |     |     |
| <b>Last change:</b> 14.11.2017                                                                                                                                                                     |     |                                                               |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                |     |                                                               |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------|-------|-------|-------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                             |      |                                                 |       |       |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                           |      |                                                 |       |       |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                 |      |                                                 |       |       |       |
| <b>Course ID:</b><br>PriF.KAgCh/N-bCXX-004/15                                                                                                                                                                                               |      | <b>Course title:</b><br>Inorganic Chemistry (1) |       |       |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 5 / 3 / 2 <b>per level/semester:</b> 70 / 42 / 28<br><b>Form of the course:</b> on-site learning |      |                                                 |       |       |       |
| <b>Number of credits:</b> 9                                                                                                                                                                                                                 |      |                                                 |       |       |       |
| <b>Recommended semester:</b> 4.                                                                                                                                                                                                             |      |                                                 |       |       |       |
| <b>Educational level:</b> I.                                                                                                                                                                                                                |      |                                                 |       |       |       |
| <b>Prerequisites:</b> PriF.KAgCh/N-bCXX-001/15 - 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: 412                                                                                                                                                                   |      |                                                 |       |       |       |
| A                                                                                                                                                                                                                                           | B    | C                                               | D     | E     | FX    |
| 5,1                                                                                                                                                                                                                                         | 8,01 | 13,59                                           | 24,51 | 14,81 | 33,98 |
| <b>Lecturers:</b> doc. RNDr. Jozef Tatiersky, PhD., RNDr. Lukáš Krivosudský, PhD., Mgr. Martin Motola, PhD.                                                                                                                                 |      |                                                 |       |       |       |
| <b>Last change:</b> 09.11.2017                                                                                                                                                                                                              |      |                                                 |       |       |       |
| <b>Approved by:</b>                                                                                                                                                                                                                         |      |                                                 |       |       |       |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------|------|-------|------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |       |                                                 |      |       |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                 |      |       |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                 |      |       |      |
| <b>Course ID:</b><br>PriF.KAgCh/N-bCXX-005/16                                                                                                                                                      |       | <b>Course title:</b><br>Inorganic Chemistry (2) |      |       |      |
| <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> 28<br><b>Form of the course:</b> on-site learning |       |                                                 |      |       |      |
| <b>Number of credits:</b> 3                                                                                                                                                                        |       |                                                 |      |       |      |
| <b>Recommended semester:</b> 7.                                                                                                                                                                    |       |                                                 |      |       |      |
| <b>Educational level:</b> I.                                                                                                                                                                       |       |                                                 |      |       |      |
| <b>Prerequisites:</b> PriF.KAgCh/N-bCXX-004/15 - Inorganic 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: 93                                                                                                                           |       |                                                 |      |       |      |
| A                                                                                                                                                                                                  | B     | C                                               | D    | E     | FX   |
| 34,41                                                                                                                                                                                              | 21,51 | 16,13                                           | 9,68 | 16,13 | 2,15 |
| <b>Lecturers:</b> prof. RNDr. Gustáv Plesch, DrSc., doc. Ing. Zoltán Lenčėš, PhD., Mgr. Olivier Monfort, PhD., RNDr. Milan Sýkora, PhD., Mgr. Martin Motola, PhD.                                  |       |                                                 |      |       |      |
| <b>Last change:</b> 09.11.2017                                                                                                                                                                     |       |                                                 |      |       |      |
| <b>Approved by:</b>                                                                                                                                                                                |       |                                                 |      |       |      |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------|-----|-------|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |       |                                                           |     |       |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                                           |     |       |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                                           |     |       |     |
| <b>Course ID:</b><br>PriF.KAlCh/N-bCAL-037/16                                                                                                                                                                         |       | <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> 14 / 14<br><b>Form of the course:</b> on-site learning |       |                                                           |     |       |     |
| <b>Number of credits:</b> 2                                                                                                                                                                                           |       |                                                           |     |       |     |
| <b>Recommended semester:</b> 7.                                                                                                                                                                                       |       |                                                           |     |       |     |
| <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: 9                                                                                                                                               |       |                                                           |     |       |     |
| A                                                                                                                                                                                                                     | B     | C                                                         | D   | E     | FX  |
| 33,33                                                                                                                                                                                                                 | 44,44 | 11,11                                                     | 0,0 | 11,11 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Andrea Vojs Staňová, PhD.                                                                                                                                                                |       |                                                           |     |       |     |
| <b>Last change:</b> 15.11.2017                                                                                                                                                                                        |       |                                                           |     |       |     |
| <b>Approved by:</b>                                                                                                                                                                                                   |       |                                                           |     |       |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                      |       |                                                        |      |      |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------|------|------|------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                      |       |                                                        |      |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                    |       |                                                        |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                          |       |                                                        |      |      |      |
| <b>Course ID:</b><br>PriF.KDPP/N-bXDI-004/10                                                                                                                                                                                                         |       | <b>Course title:</b><br>Introduction to Philosophy (1) |      |      |      |
| <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> 28<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><br>participation, activity, homework or final essay                                                                                                                                                                      |       |                                                        |      |      |      |
| <b>Learning outcomes:</b><br>Understanding of the basic concepts of systematic philosophy and the basic traditions of the history of philosophy.                                                                                                     |       |                                                        |      |      |      |
| <b>Class syllabus:</b><br>Introduction of the basic concepts of philosophy. A review of the history of philosophy. The emergence of philosophy in antique Greece and its development. Plato and Aristotle. Chosen problems of systematic philosophy. |       |                                                        |      |      |      |
| <b>Recommended literature:</b><br>Tarnas, R.: The Passion of the Western Mind<br>Anzenbacher, A.: Introduction to Philosophy                                                                                                                         |       |                                                        |      |      |      |
| <b>Languages necessary to complete the course:</b><br>slovak                                                                                                                                                                                         |       |                                                        |      |      |      |
| <b>Notes:</b>                                                                                                                                                                                                                                        |       |                                                        |      |      |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1687                                                                                                                                                                           |       |                                                        |      |      |      |
| A                                                                                                                                                                                                                                                    | B     | C                                                      | D    | E    | FX   |
| 50,74                                                                                                                                                                                                                                                | 35,74 | 12,86                                                  | 0,36 | 0,18 | 0,12 |
| <b>Lecturers:</b> Mgr. Štefan Zolcer, PhD.                                                                                                                                                                                                           |       |                                                        |      |      |      |
| <b>Last change:</b> 19.09.2019                                                                                                                                                                                                                       |       |                                                        |      |      |      |
| <b>Approved by:</b>                                                                                                                                                                                                                                  |       |                                                        |      |      |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                                                                            |       |                                                        |      |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                          |       |                                                        |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                |       |                                                        |      |      |      |
| <b>Course ID:</b><br>PriF.KDPP/N-bXDI-005/10                                                                                                                                                                                                                                                               |       | <b>Course title:</b><br>Introduction to Philosophy (2) |      |      |      |
| <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> 28<br><b>Form of the course:</b> on-site learning                                                                                                         |       |                                                        |      |      |      |
| <b>Number of credits:</b> 3                                                                                                                                                                                                                                                                                |       |                                                        |      |      |      |
| <b>Recommended semester:</b> 6.                                                                                                                                                                                                                                                                            |       |                                                        |      |      |      |
| <b>Educational level:</b> I.                                                                                                                                                                                                                                                                               |       |                                                        |      |      |      |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                      |       |                                                        |      |      |      |
| <b>Course requirements:</b><br>participation, activity, homework or final essay                                                                                                                                                                                                                            |       |                                                        |      |      |      |
| <b>Learning outcomes:</b><br>Understanding of the basic concepts of systematic philosophy and the basic traditions of the history of philosophy.                                                                                                                                                           |       |                                                        |      |      |      |
| <b>Class syllabus:</b><br>Introduction of the basic concepts of philosophy. A review of the history of philosophy. Reflections on the beginnings of modern scientific and philosophical thinking in early modern times and the development of modern philosophy. Chosen problems of systematic philosophy. |       |                                                        |      |      |      |
| <b>Recommended literature:</b><br>Tarnas, R.: The Passion of the Western Mind<br>Anzenbacher, A.: Introduction to Philosophy<br>Kuhn, T. S.: The Structure of Scientific Revolutions<br>Rosenberg, A.: Philosophy of Science. A contemporary introduction                                                  |       |                                                        |      |      |      |
| <b>Languages necessary to complete the course:</b><br>slovak                                                                                                                                                                                                                                               |       |                                                        |      |      |      |
| <b>Notes:</b>                                                                                                                                                                                                                                                                                              |       |                                                        |      |      |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1368                                                                                                                                                                                                                                 |       |                                                        |      |      |      |
| A                                                                                                                                                                                                                                                                                                          | B     | C                                                      | D    | E    | FX   |
| 50,0                                                                                                                                                                                                                                                                                                       | 33,11 | 16,01                                                  | 0,37 | 0,44 | 0,07 |
| <b>Lecturers:</b> Mgr. Štefan Zolcer, PhD.                                                                                                                                                                                                                                                                 |       |                                                        |      |      |      |
| <b>Last change:</b> 19.09.2019                                                                                                                                                                                                                                                                             |       |                                                        |      |      |      |
| <b>Approved by:</b>                                                                                                                                                                                                                                                                                        |       |                                                        |      |      |      |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |      |                                                                      |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |      |                                                                      |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |      |                                                                      |     |     |     |
| <b>Course ID:</b><br>PriF.KAlCh/N-bCAL-032/15                                                                                                                                                                         |      | <b>Course title:</b><br>Introduction to continuous and flow analysis |     |     |     |
| <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> 14 / 14<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: 5                                                                                                                                               |      |                                                                      |     |     |     |
| A                                                                                                                                                                                                                     | B    | C                                                                    | D   | E   | FX  |
| 60,0                                                                                                                                                                                                                  | 40,0 | 0,0                                                                  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Róbert Bodor, PhD., doc. RNDr. Radoslav Halko, PhD.                                                                                                                                      |      |                                                                      |     |     |     |
| <b>Last change:</b> 15.11.2017                                                                                                                                                                                        |      |                                                                      |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                                   |      |                                                                      |     |     |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |     |                                                         |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |     |                                                         |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |     |                                                         |     |     |     |
| <b>Course ID:</b><br>PriF.KAgCh/N-bCAG-016/20                                                                                                                                                      |     | <b>Course title:</b><br>Kolokvium z anorganickej chémie |     |     |     |
| <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> 28<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: 50                                                                                                                           |     |                                                         |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                       | D   | E   | FX  |
| 82,0                                                                                                                                                                                               | 6,0 | 4,0                                                     | 0,0 | 0,0 | 8,0 |
| <b>Lecturers:</b> RNDr. Lukáš Krivosudský, PhD.                                                                                                                                                    |     |                                                         |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                |     |                                                         |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                |     |                                                         |     |     |     |

## COURSE DESCRIPTION

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------|------|------|------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                                                           |       |                                             |      |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                         |       |                                             |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                               |       |                                             |      |      |      |
| <b>Course ID:</b><br>PriF.KAlCh/N-bCXX-006/15                                                                                                                                                                                                                                             |       | <b>Course title:</b><br>Laboratory practice |      |      |      |
| <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> 56<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: 475                                                                                                                                                                                                                 |       |                                             |      |      |      |
| A                                                                                                                                                                                                                                                                                         | B     | C                                           | D    | E    | FX   |
| 32,84                                                                                                                                                                                                                                                                                     | 45,89 | 12,84                                       | 1,26 | 0,63 | 6,53 |
| <b>Lecturers:</b> doc. RNDr. Radoslav Halko, PhD., RNDr. Peter Troška, PhD., RNDr. Viera Poláčková, PhD., RNDr. Jana Chrappová, PhD., Mgr. Henrieta Stankovičová, PhD., RNDr. Simona Procházková, PhD., doc. RNDr. Monika Jerigová, PhD., Ing. Oľga Kiššová, RNDr. Csilla Mišľanová, PhD. |       |                                             |      |      |      |
| <b>Last change:</b> 09.11.2017                                                                                                                                                                                                                                                            |       |                                             |      |      |      |
| <b>Approved by:</b>                                                                                                                                                                                                                                                                       |       |                                             |      |      |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                       |       |                               |      |      |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                     |       |                               |      |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |       |                               |      |      |       |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-094/10                                                                                                                                                            |       | <b>Course title:</b><br>Latin |      |      |       |
| <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> 28<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: 510                                                                                                                             |       |                               |      |      |       |
| A                                                                                                                                                                                                     | B     | C                             | D    | E    | FX    |
| 41,76                                                                                                                                                                                                 | 21,18 | 13,33                         | 4,71 | 6,08 | 12,94 |
| <b>Lecturers:</b> RNDr. Tatiana Slováková, PhD., Mgr. Ivan Lábaj, PhD.                                                                                                                                |       |                               |      |      |       |
| <b>Last change:</b> 16.01.2020                                                                                                                                                                        |       |                               |      |      |       |
| <b>Approved by:</b>                                                                                                                                                                                   |       |                               |      |      |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                       |       |                               |      |      |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                     |       |                               |      |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |       |                               |      |      |       |
| <b>Course ID:</b><br>PriF.KJ/N-bXCJ-095/10                                                                                                                                                            |       | <b>Course title:</b><br>Latin |      |      |       |
| <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> 28<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: 368                                                                                                                             |       |                               |      |      |       |
| A                                                                                                                                                                                                     | B     | C                             | D    | E    | FX    |
| 48,37                                                                                                                                                                                                 | 20,11 | 11,41                         | 4,35 | 2,99 | 12,77 |
| <b>Lecturers:</b> RNDr. Tatiana Slováková, PhD., Mgr. Ivan Lábaj, PhD.                                                                                                                                |       |                               |      |      |       |
| <b>Last change:</b> 16.01.2020                                                                                                                                                                        |       |                               |      |      |       |
| <b>Approved by:</b>                                                                                                                                                                                   |       |                               |      |      |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                                                                                                                                                                                                                                                             |     |                                                     |     |     |     |
| <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> 28<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.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |     |                                                     |     |     |     |
| <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: 160                                                                                                                                                                                                                                                                                                                                                                                                                   |     |                                                     |     |     |     |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | B   | C                                                   | D   | E   | FX  |
| 100,0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0,0 | 0,0                                                 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> RNDr. Malvína Čierniková, PhD., prof. RNDr. Pavel Dlpa, PhD., prof. RNDr. Elena Masarovičová, DrSc., prof. PaedDr. Pavol Prokop, DrSc., prof. RNDr. Peter Fedor, DrSc., prof. Ing. Eva Chmielewská, CSc., RNDr. Martina Zvaríková, PhD., RNDr. Martin Labuda, PhD., doc. RNDr. Eva Pauditšová, PhD., RNDr. Hubert Žarnovičan, PhD., doc. RNDr. Stanislav Rapant, DrSc., doc. RNDr. Ľubomír Jurkovič, PhD., Mgr. Tomáš Lánczos, PhD., doc. RNDr. Katarína Pavličková, CSc. |     |                                                     |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |                                                     |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |     |                                                     |     |     |     |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------|-------|-------|------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |     |                                                       |       |       |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |     |                                                       |       |       |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |     |                                                       |       |       |      |
| <b>Course ID:</b><br>PriF-FMFI.KMANM/N-bCXX-015/15                                                                                                                                                                    |     | <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> 5 / 4 <b>per level/semester:</b> 70 / 56<br><b>Form of the course:</b> on-site learning |     |                                                       |       |       |      |
| <b>Number of credits:</b> 9                                                                                                                                                                                           |     |                                                       |       |       |      |
| <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: 506                                                                                                                                             |     |                                                       |       |       |      |
| A                                                                                                                                                                                                                     | B   | C                                                     | D     | E     | FX   |
| 16,6                                                                                                                                                                                                                  | 8,5 | 17,59                                                 | 17,98 | 22,33 | 17,0 |
| <b>Lecturers:</b> doc. RNDr. Eugen Viszus, CSc., Mgr. Milan Kováč, PhD., PaedDr. Lucia Klinovská, PhD., RNDr. Michal Pospíšil, PhD.                                                                                   |     |                                                       |       |       |      |
| <b>Last change:</b> 09.11.2017                                                                                                                                                                                        |     |                                                       |       |       |      |
| <b>Approved by:</b>                                                                                                                                                                                                   |     |                                                       |       |       |      |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |       |                                             |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                             |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                             |     |     |     |
| <b>Course ID:</b><br>PriF.KOrCh/N-bBXX-019/15                                                                                                                                                                         |       | <b>Course title:</b><br>Medicinal 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> 14 / 14<br><b>Form of the course:</b> on-site learning |       |                                             |     |     |     |
| <b>Number of credits:</b> 3                                                                                                                                                                                           |       |                                             |     |     |     |
| <b>Recommended semester:</b> 8.                                                                                                                                                                                       |       |                                             |     |     |     |
| <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: 91                                                                                                                                              |       |                                             |     |     |     |
| A                                                                                                                                                                                                                     | B     | C                                           | D   | E   | FX  |
| 60,44                                                                                                                                                                                                                 | 32,97 | 6,59                                        | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Andrej Boháč, CSc.                                                                                                                                                                       |       |                                             |     |     |     |
| <b>Last change:</b> 13.11.2017                                                                                                                                                                                        |       |                                             |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                                   |       |                                             |     |     |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |       |                                                      |       |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                      |       |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                      |       |      |      |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCXX-023/16                                                                                                                                                      |       | <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> 14<br><b>Form of the course:</b> on-site learning |       |                                                      |       |      |      |
| <b>Number of credits:</b> 1                                                                                                                                                                        |       |                                                      |       |      |      |
| <b>Recommended semester:</b> 8.                                                                                                                                                                    |       |                                                      |       |      |      |
| <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: 90                                                                                                                           |       |                                                      |       |      |      |
| A                                                                                                                                                                                                  | B     | C                                                    | D     | E    | FX   |
| 33,33                                                                                                                                                                                              | 24,44 | 22,22                                                | 14,44 | 4,44 | 1,11 |
| <b>Lecturers:</b> doc. RNDr. Martin Putala, CSc., prof. Ing. Dušan Velič, DrSc., doc. RNDr. Erik Rakovský, PhD., doc. RNDr. Radoslav Halko, PhD.                                                   |       |                                                      |       |      |      |
| <b>Last change:</b> 14.11.2017                                                                                                                                                                     |       |                                                      |       |      |      |
| <b>Approved by:</b>                                                                                                                                                                                |       |                                                      |       |      |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                             |      |                                                |       |       |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                           |      |                                                |       |       |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                 |      |                                                |       |       |     |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCXX-021/16                                                                                                                                                                                               |      | <b>Course title:</b><br>Molecular Spectroscopy |       |       |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 / 2 / 2 <b>per level/semester:</b> 14 / 28 / 28<br><b>Form of the course:</b> on-site learning |      |                                                |       |       |     |
| <b>Number of credits:</b> 6                                                                                                                                                                                                                 |      |                                                |       |       |     |
| <b>Recommended semester:</b> 7.                                                                                                                                                                                                             |      |                                                |       |       |     |
| <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  |
| 8,49                                                                                                                                                                                                                                        | 28,3 | 23,58                                          | 23,58 | 16,04 | 0,0 |
| <b>Lecturers:</b> prof. Mgr. Radovan Šebesta, DrSc., Mgr. Juraj Filo, PhD., RNDr. Jaroslav Blaško, PhD., doc. RNDr. Andrea Vojs Staňová, PhD., RNDr. Marek Cigáň, PhD.                                                                      |      |                                                |       |       |     |
| <b>Last change:</b> 13.11.2017                                                                                                                                                                                                              |      |                                                |       |       |     |
| <b>Approved by:</b>                                                                                                                                                                                                                         |      |                                                |       |       |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |      |                                           |      |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |      |                                           |      |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |      |                                           |      |     |      |
| <b>Course ID:</b><br>PriF.KOrCh/N-bUCH-041/16                                                                                                                                                                         |      | <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> 14 / 14<br><b>Form of the course:</b> on-site learning |      |                                           |      |     |      |
| <b>Number of credits:</b> 2                                                                                                                                                                                           |      |                                           |      |     |      |
| <b>Recommended semester:</b> 5., 7.                                                                                                                                                                                   |      |                                           |      |     |      |
| <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   |
| 37,5                                                                                                                                                                                                                  | 12,5 | 31,25                                     | 12,5 | 0,0 | 6,25 |
| <b>Lecturers:</b> Mgr. Ambroz Almássy, PhD., doc. RNDr. Peter Magdolen, PhD.                                                                                                                                          |      |                                           |      |     |      |
| <b>Last change:</b> 14.11.2017                                                                                                                                                                                        |      |                                           |      |     |      |
| <b>Approved by:</b>                                                                                                                                                                                                   |      |                                           |      |     |      |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------|-----|-----|------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |     |                                                         |     |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |     |                                                         |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |     |                                                         |     |     |      |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCOR-004/15                                                                                                                                                                         |     | <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> 14 / 14<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: 21                                                                                                                                              |     |                                                         |     |     |      |
| A                                                                                                                                                                                                                     | B   | C                                                       | D   | E   | FX   |
| 95,24                                                                                                                                                                                                                 | 0,0 | 0,0                                                     | 0,0 | 0,0 | 4,76 |
| <b>Lecturers:</b> doc. Ing. Mária Mečiarová, PhD.                                                                                                                                                                     |     |                                                         |     |     |      |
| <b>Last change:</b> 14.11.2017                                                                                                                                                                                        |     |                                                         |     |     |      |
| <b>Approved by:</b>                                                                                                                                                                                                   |     |                                                         |     |     |      |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------|-------|------|------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                             |       |                                           |       |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                           |       |                                           |       |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                 |       |                                           |       |      |      |
| <b>Course ID:</b><br>PriF.KJCh/N-bCXX-018/15                                                                                                                                                                                                |       | <b>Course title:</b><br>Nuclear chemistry |       |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 3 / 2 / 1 <b>per level/semester:</b> 42 / 28 / 14<br><b>Form of the course:</b> on-site learning |       |                                           |       |      |      |
| <b>Number of credits:</b> 5                                                                                                                                                                                                                 |       |                                           |       |      |      |
| <b>Recommended semester:</b> 6.                                                                                                                                                                                                             |       |                                           |       |      |      |
| <b>Educational level:</b> 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: 226                                                                                                                                                                   |       |                                           |       |      |      |
| A                                                                                                                                                                                                                                           | B     | C                                         | D     | E    | FX   |
| 15,49                                                                                                                                                                                                                                       | 37,17 | 27,88                                     | 16,37 | 2,21 | 0,88 |
| <b>Lecturers:</b> doc. RNDr. Michal Galamboš, PhD., doc. RNDr. Jozef Kuruc, CSc., RNDr. Eva Viglašová, PhD., doc. RNDr. Dušan Galanda, PhD.                                                                                                 |       |                                           |       |      |      |
| <b>Last change:</b> 09.11.2017                                                                                                                                                                                                              |       |                                           |       |      |      |
| <b>Approved by:</b>                                                                                                                                                                                                                         |       |                                           |       |      |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                     |       |                                               |      |      |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                   |       |                                               |      |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                         |       |                                               |      |      |     |
| <b>Course ID:</b><br>PriF.KFTCh/N-bCXX-013/15                                                                                                                                                       |       | <b>Course title:</b><br>Numerical Mathematics |      |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<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> 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: 135                                                                                                                           |       |                                               |      |      |     |
| A                                                                                                                                                                                                   | B     | C                                             | D    | E    | FX  |
| 61,48                                                                                                                                                                                               | 13,33 | 16,3                                          | 2,96 | 2,22 | 3,7 |
| <b>Lecturers:</b> doc. Mgr. Pavel Neogrady, DrSc., prof. RNDr. Ivan Černušák, DrSc.                                                                                                                 |       |                                               |      |      |     |
| <b>Last change:</b> 14.11.2017                                                                                                                                                                      |       |                                               |      |      |     |
| <b>Approved by:</b>                                                                                                                                                                                 |       |                                               |      |      |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                             |       |                                                      |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                           |       |                                                      |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                 |       |                                                      |     |     |     |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCXX-022/16                                                                                                                                                               |       | <b>Course title:</b><br>Optional Praxis in 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> 70<br><b>Form of the course:</b> on-site learning       |       |                                                      |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                                 |       |                                                      |     |     |     |
| <b>Recommended semester:</b> 7.                                                                                                                                                                             |       |                                                      |     |     |     |
| <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: 17                                                                                                                                    |       |                                                      |     |     |     |
| A                                                                                                                                                                                                           | B     | C                                                    | D   | E   | FX  |
| 70,59                                                                                                                                                                                                       | 29,41 | 0,0                                                  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Martin Putala, CSc., RNDr. Jana Chrappová, PhD., prof. RNDr. Ivan Černušák, DrSc., Mgr. Henrieta Stankovičová, PhD., doc. RNDr. Róbert Bodor, PhD., RNDr. Robert Kubinec, CSc. |       |                                                      |     |     |     |
| <b>Last change:</b> 15.11.2017                                                                                                                                                                              |       |                                                      |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                         |       |                                                      |     |     |     |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------|-------|------|------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |       |                                                                             |       |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                                             |       |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                                             |       |      |      |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCXX-024/17                                                                                                                                                      |       | <b>Course title:</b><br>Optional Seminar in 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> 1 <b>per level/semester:</b> 14<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: 174                                                                                                                          |       |                                                                             |       |      |      |
| A                                                                                                                                                                                                  | B     | C                                                                           | D     | E    | FX   |
| 29,89                                                                                                                                                                                              | 26,44 | 21,26                                                                       | 15,52 | 6,32 | 0,57 |
| <b>Lecturers:</b> doc. RNDr. Martin Putala, CSc., Mgr. Ambroz Almáßy, PhD., Ing. Michal Májek, PhD., Mgr. Peter Šramel, PhD.                                                                       |       |                                                                             |       |      |      |
| <b>Last change:</b> 02.12.2019                                                                                                                                                                     |       |                                                                             |       |      |      |
| <b>Approved by:</b>                                                                                                                                                                                |       |                                                                             |       |      |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                             |      |                                               |       |       |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------------------------------|-------|-------|-------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                             |      |                                               |       |       |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                           |      |                                               |       |       |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                 |      |                                               |       |       |       |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCXX-011/15                                                                                                                                                                                               |      | <b>Course title:</b><br>Organic Chemistry (1) |       |       |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 5 / 4 / 2 <b>per level/semester:</b> 70 / 56 / 28<br><b>Form of the course:</b> on-site learning |      |                                               |       |       |       |
| <b>Number of credits:</b> 11                                                                                                                                                                                                                |      |                                               |       |       |       |
| <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: 404                                                                                                                                                                   |      |                                               |       |       |       |
| A                                                                                                                                                                                                                                           | B    | C                                             | D     | E     | FX    |
| 9,16                                                                                                                                                                                                                                        | 6,68 | 15,59                                         | 22,77 | 12,13 | 33,66 |
| <b>Lecturers:</b> doc. Ing. Mária Mečiarová, PhD.                                                                                                                                                                                           |      |                                               |       |       |       |
| <b>Last change:</b> 27.11.2019                                                                                                                                                                                                              |      |                                               |       |       |       |
| <b>Approved by:</b>                                                                                                                                                                                                                         |      |                                               |       |       |       |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------------------------------|------|-------|-------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |      |                                               |      |       |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |      |                                               |      |       |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |      |                                               |      |       |       |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCXX-019/15                                                                                                                                                                         |      | <b>Course title:</b><br>Organic Chemistry (2) |      |       |       |
| <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> 28 / 14<br><b>Form of the course:</b> on-site learning |      |                                               |      |       |       |
| <b>Number of credits:</b> 4                                                                                                                                                                                           |      |                                               |      |       |       |
| <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: 283                                                                                                                                             |      |                                               |      |       |       |
| A                                                                                                                                                                                                                     | B    | C                                             | D    | E     | FX    |
| 4,95                                                                                                                                                                                                                  | 8,13 | 14,84                                         | 26,5 | 22,26 | 23,32 |
| <b>Lecturers:</b> doc. RNDr. Martin Putala, CSc., Mgr. Ambroz Almáßy, PhD., Ing. Michal Májek, PhD., Mgr. Peter Šramel, PhD.                                                                                          |      |                                               |      |       |       |
| <b>Last change:</b> 09.11.2017                                                                                                                                                                                        |      |                                               |      |       |       |
| <b>Approved by:</b>                                                                                                                                                                                                   |      |                                               |      |       |       |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------|------|-------|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |       |                                           |      |       |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                           |      |       |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                           |      |       |     |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCOR-014/16                                                                                                                                                                         |       | <b>Course title:</b><br>Organic Synthesis |      |       |     |
| <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> 28 / 14<br><b>Form of the course:</b> on-site learning |       |                                           |      |       |     |
| <b>Number of credits:</b> 4                                                                                                                                                                                           |       |                                           |      |       |     |
| <b>Recommended semester:</b> 7.                                                                                                                                                                                       |       |                                           |      |       |     |
| <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: 24                                                                                                                                              |       |                                           |      |       |     |
| A                                                                                                                                                                                                                     | B     | C                                         | D    | E     | FX  |
| 25,0                                                                                                                                                                                                                  | 20,83 | 33,33                                     | 4,17 | 16,67 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Peter Magdolen, PhD.                                                                                                                                                                     |       |                                           |      |       |     |
| <b>Last change:</b> 13.11.2017                                                                                                                                                                                        |       |                                           |      |       |     |
| <b>Approved by:</b>                                                                                                                                                                                                   |       |                                           |      |       |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                                                                                                                                    |       |                                                   |      |      |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                  |       |                                                   |      |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                        |       |                                                   |      |      |     |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCXX-012/15                                                                                                                                                                                                                                                                                                                      |       | <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> 28<br><b>Form of the course:</b> on-site learning                                                                                                                                                                 |       |                                                   |      |      |     |
| <b>Number of credits:</b> 2                                                                                                                                                                                                                                                                                                                                        |       |                                                   |      |      |     |
| <b>Recommended semester:</b> 1., 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: 101                                                                                                                                                                                                                                                                                          |       |                                                   |      |      |     |
| A                                                                                                                                                                                                                                                                                                                                                                  | B     | C                                                 | D    | E    | FX  |
| 8,91                                                                                                                                                                                                                                                                                                                                                               | 40,59 | 24,75                                             | 19,8 | 5,94 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Martin Putala, CSc., doc. RNDr. Oľga Rosскопfová, PhD., prof. Ing. Dušan Velič, DrSc., prof. RNDr. Ivan Černušák, DrSc., RNDr. Milan Sýkora, PhD., Mgr. Peter Hrobárik, PhD., doc. RNDr. Erik Rakovský, PhD., RNDr. Marek Cigán, PhD., doc. RNDr. Marian Masár, PhD., doc. Mgr. Peter Polčic, PhD., doc. RNDr. Jana Korduláková, PhD. |       |                                                   |      |      |     |
| <b>Last change:</b> 14.11.2017                                                                                                                                                                                                                                                                                                                                     |       |                                                   |      |      |     |
| <b>Approved by:</b>                                                                                                                                                                                                                                                                                                                                                |       |                                                   |      |      |     |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |     |                                               |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |     |                                               |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |     |                                               |     |     |     |
| <b>Course ID:</b><br>PriF.KBCh/N-XXXX-010/21                                                                                                                                                       |     | <b>Course title:</b><br>Perspektívy biochémie |     |     |     |
| <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> 14<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., II.                                                                                                                                                                  |     |                                               |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                              |     |                                               |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                        |     |                                               |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                          |     |                                               |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                             |     |                                               |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                     |     |                                               |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |     |                                               |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                      |     |                                               |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 8                                                                                                                            |     |                                               |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                             | D   | E   | FX  |
| 100,0                                                                                                                                                                                              | 0,0 | 0,0                                           | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Marek Mentel, PhD.                                                                                                                                                    |     |                                               |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                |     |                                               |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                |     |                                               |     |     |     |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------|-------|-----|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                          |       |                                            |       |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                        |       |                                            |       |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                              |       |                                            |       |     |     |
| <b>Course ID:</b><br>PriF.KOrCh/N-XXXX-011/21                                                                                                                                                                                            |       | <b>Course title:</b><br>Perspektívy chémie |       |     |     |
| <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> 28<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.                                                                                                                                                                                                        |       |                                            |       |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                                    |       |                                            |       |     |     |
| <b>Course requirements:</b>                                                                                                                                                                                                              |       |                                            |       |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                                                |       |                                            |       |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                                   |       |                                            |       |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                                                           |       |                                            |       |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                       |       |                                            |       |     |     |
| <b>Notes:</b>                                                                                                                                                                                                                            |       |                                            |       |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 3                                                                                                                                                                  |       |                                            |       |     |     |
| A                                                                                                                                                                                                                                        | B     | C                                          | D     | E   | FX  |
| 33,33                                                                                                                                                                                                                                    | 33,33 | 0,0                                        | 33,33 | 0,0 | 0,0 |
| <b>Lecturers:</b> RNDr. Marek Cigáň, PhD., doc. RNDr. Martin Putala, CSc., prof. Ing. Dušan Velič, DrSc., prof. RNDr. Ivan Černušák, DrSc., doc. RNDr. Erik Rakovský, PhD., Mgr. Peter Hrobárik, PhD., doc. RNDr. Oľga Roszkopfová, PhD. |       |                                            |       |     |     |
| <b>Last change:</b>                                                                                                                                                                                                                      |       |                                            |       |     |     |
| <b>Approved by:</b>                                                                                                                                                                                                                      |       |                                            |       |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------|-------|-------|------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                             |       |                                              |       |       |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                           |       |                                              |       |       |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                 |       |                                              |       |       |      |
| <b>Course ID:</b><br>PriF.KFTCh/N-bCXX-014/15                                                                                                                                                                                               |       | <b>Course title:</b><br>Physical Chemistry 1 |       |       |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 5 / 4 / 2 <b>per level/semester:</b> 70 / 56 / 28<br><b>Form of the course:</b> on-site learning |       |                                              |       |       |      |
| <b>Number of credits:</b> 11                                                                                                                                                                                                                |       |                                              |       |       |      |
| <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: 261                                                                                                                                                                   |       |                                              |       |       |      |
| A                                                                                                                                                                                                                                           | B     | C                                            | D     | E     | FX   |
| 18,39                                                                                                                                                                                                                                       | 16,09 | 19,92                                        | 28,35 | 12,26 | 4,98 |
| <b>Lecturers:</b> doc. RNDr. Ivan Valent, CSc., prof. Ing. Dušan Velič, DrSc., doc. Mgr. Pavel Neogrády, DrSc., RNDr. Lukáš Félix Pašteka, PhD., prof. RNDr. Vladimír Kellö, DrSc., Mgr. Táňa Sebechlebská, PhD., Mgr. Samuel Furka, PhD.   |       |                                              |       |       |      |
| <b>Last change:</b> 09.11.2017                                                                                                                                                                                                              |       |                                              |       |       |      |
| <b>Approved by:</b>                                                                                                                                                                                                                         |       |                                              |       |       |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |       |                                              |       |       |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                              |       |       |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                              |       |       |     |
| <b>Course ID:</b><br>PriF.KFTCh/N-bCXX-023/16                                                                                                                                                                         |       | <b>Course title:</b><br>Physical Chemistry 2 |       |       |     |
| <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> 28 / 14<br><b>Form of the course:</b> on-site learning |       |                                              |       |       |     |
| <b>Number of credits:</b> 4                                                                                                                                                                                           |       |                                              |       |       |     |
| <b>Recommended semester:</b> 7.                                                                                                                                                                                       |       |                                              |       |       |     |
| <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: 93                                                                                                                                              |       |                                              |       |       |     |
| A                                                                                                                                                                                                                     | B     | C                                            | D     | E     | FX  |
| 21,51                                                                                                                                                                                                                 | 22,58 | 26,88                                        | 18,28 | 10,75 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Ivan Valent, CSc., prof. Ing. Dušan Velič, DrSc., doc. Mgr. Pavel Neogrady, DrSc., RNDr. Lukáš Félix Pašteka, PhD.                                                                       |       |                                              |       |       |     |
| <b>Last change:</b> 13.11.2017                                                                                                                                                                                        |       |                                              |       |       |     |
| <b>Approved by:</b>                                                                                                                                                                                                   |       |                                              |       |       |     |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------|-----|------|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                    |     |                                            |     |      |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                  |     |                                            |     |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                        |     |                                            |     |      |     |
| <b>Course ID:</b><br>PriF.KTV/N-bXTV-104/18                                                                                                                                                                                                        |     | <b>Course title:</b><br>Physical Education |     |      |     |
| <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> 28<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: 437                                                                                                                                                                          |     |                                            |     |      |     |
| A                                                                                                                                                                                                                                                  | B   | C                                          | D   | E    | FX  |
| 99,08                                                                                                                                                                                                                                              | 0,0 | 0,46                                       | 0,0 | 0,46 | 0,0 |
| <b>Lecturers:</b> Mgr. Kristína Vanýsková, PaedDr. Vladimír Hubka, Mgr. Miriam Kirchmayerová, PhD., Mgr. Ján Krošlák, Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, PaedDr. Vladimír Pajkoš, Mgr. Dana Szélllová |     |                                            |     |      |     |
| <b>Last change:</b>                                                                                                                                                                                                                                |     |                                            |     |      |     |
| <b>Approved by:</b>                                                                                                                                                                                                                                |     |                                            |     |      |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                    |     |                                              |     |     |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------|-----|-----|------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                    |     |                                              |     |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                  |     |                                              |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                        |     |                                              |     |     |      |
| <b>Course ID:</b><br>PriF.KTV/N-bXTV-101/18                                                                                                                                                                                                        |     | <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> 28<br><b>Form of the course:</b> on-site learning                                              |     |                                              |     |     |      |
| <b>Number of credits:</b> 1                                                                                                                                                                                                                        |     |                                              |     |     |      |
| <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: 1138                                                                                                                                                                         |     |                                              |     |     |      |
| A                                                                                                                                                                                                                                                  | B   | C                                            | D   | E   | FX   |
| 99,12                                                                                                                                                                                                                                              | 0,7 | 0,0                                          | 0,0 | 0,0 | 0,18 |
| <b>Lecturers:</b> Mgr. Kristína Vanýsková, PaedDr. Vladimír Hubka, Mgr. Miriam Kirchmayerová, PhD., Mgr. Ján Krošlák, Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, PaedDr. Vladimír Pajkoš, Mgr. Dana Szélllová |     |                                              |     |     |      |
| <b>Last change:</b>                                                                                                                                                                                                                                |     |                                              |     |     |      |
| <b>Approved by:</b>                                                                                                                                                                                                                                |     |                                              |     |     |      |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------|-----|-----|------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                    |     |                                              |     |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                  |     |                                              |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                        |     |                                              |     |     |      |
| <b>Course ID:</b><br>PriF.KTV/N-bXTV-102/18                                                                                                                                                                                                        |     | <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> 28<br><b>Form of the course:</b> on-site learning                                              |     |                                              |     |     |      |
| <b>Number of credits:</b> 1                                                                                                                                                                                                                        |     |                                              |     |     |      |
| <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: 772                                                                                                                                                                          |     |                                              |     |     |      |
| A                                                                                                                                                                                                                                                  | B   | C                                            | D   | E   | FX   |
| 99,87                                                                                                                                                                                                                                              | 0,0 | 0,0                                          | 0,0 | 0,0 | 0,13 |
| <b>Lecturers:</b> Mgr. Kristína Vanýsková, PaedDr. Vladimír Hubka, Mgr. Miriam Kirchmayerová, PhD., Mgr. Ján Krošlák, Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, PaedDr. Vladimír Pajkoš, Mgr. Dana Szélllová |     |                                              |     |     |      |
| <b>Last change:</b>                                                                                                                                                                                                                                |     |                                              |     |     |      |
| <b>Approved by:</b>                                                                                                                                                                                                                                |     |                                              |     |     |      |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                    |     |                                              |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                  |     |                                              |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                        |     |                                              |     |     |     |
| <b>Course ID:</b><br>PriF.KTV/N-bXTV-103/18                                                                                                                                                                                                        |     | <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> 28<br><b>Form of the course:</b> on-site learning                                              |     |                                              |     |     |     |
| <b>Number of credits:</b> 1                                                                                                                                                                                                                        |     |                                              |     |     |     |
| <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: 500                                                                                                                                                                          |     |                                              |     |     |     |
| A                                                                                                                                                                                                                                                  | B   | C                                            | D   | E   | FX  |
| 100,0                                                                                                                                                                                                                                              | 0,0 | 0,0                                          | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Kristína Vanýsková, PaedDr. Vladimír Hubka, Mgr. Miriam Kirchmayerová, PhD., Mgr. Ján Krošlák, Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, PaedDr. Vladimír Pajkoš, Mgr. Dana Szélllová |     |                                              |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                                                                |     |                                              |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                                                                |     |                                              |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                    |     |                                              |     |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                    |     |                                              |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                  |     |                                              |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                        |     |                                              |     |     |     |
| <b>Course ID:</b><br>PriF.KTV/N-bXTV-105/18                                                                                                                                                                                                        |     | <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> 28<br><b>Form of the course:</b> on-site learning                                              |     |                                              |     |     |     |
| <b>Number of credits:</b> 1                                                                                                                                                                                                                        |     |                                              |     |     |     |
| <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: 286                                                                                                                                                                          |     |                                              |     |     |     |
| A                                                                                                                                                                                                                                                  | B   | C                                            | D   | E   | FX  |
| 100,0                                                                                                                                                                                                                                              | 0,0 | 0,0                                          | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Kristína Vanýsková, PaedDr. Vladimír Hubka, Mgr. Miriam Kirchmayerová, PhD., Mgr. Ján Krošlák, Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, PaedDr. Vladimír Pajkoš, Mgr. Dana Szélllová |     |                                              |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                                                                |     |                                              |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                                                                |     |                                              |     |     |     |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                    |     |                                              |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                  |     |                                              |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                        |     |                                              |     |     |     |
| <b>Course ID:</b><br>PriF.KTV/N-bXTV-106/18                                                                                                                                                                                                        |     | <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:</b> 2 <b>per level/semester:</b> 28<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: 229                                                                                                                                                                          |     |                                              |     |     |     |
| A                                                                                                                                                                                                                                                  | B   | C                                            | D   | E   | FX  |
| 100,0                                                                                                                                                                                                                                              | 0,0 | 0,0                                          | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Kristína Vanýsková, PaedDr. Vladimír Hubka, Mgr. Miriam Kirchmayerová, PhD., Mgr. Ján Krošlák, Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, PaedDr. Vladimír Pajkoš, Mgr. Dana Szélllová |     |                                              |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                                                                |     |                                              |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                                                                |     |                                              |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                       |      |                                                   |       |       |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------|-------|-------|-------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |      |                                                   |       |       |       |
| <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> 56 / 42<br><b>Form of the course:</b> on-site learning |      |                                                   |       |       |       |
| <b>Number of credits:</b> 7                                                                                                                                                                                           |      |                                                   |       |       |       |
| <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: 437                                                                                                                                             |      |                                                   |       |       |       |
| A                                                                                                                                                                                                                     | B    | C                                                 | D     | E     | FX    |
| 7,55                                                                                                                                                                                                                  | 8,47 | 13,73                                             | 14,65 | 30,89 | 24,71 |
| <b>Lecturers:</b> prof. RNDr. Peter Markoš, DrSc., Mgr. Marián Danko, PhD., RNDr. Ladislav Moravský, PhD., RNDr. Matúš Sámel, PhD., RNDr. Michal Ďurian                                                               |      |                                                   |       |       |       |
| <b>Last change:</b> 09.11.2017                                                                                                                                                                                        |      |                                                   |       |       |       |
| <b>Approved by:</b>                                                                                                                                                                                                   |      |                                                   |       |       |       |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------------------------|-----|-----|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                                                                                                                                                |     |                                                                    |     |     |     |
| <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> 14 / 14<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.                                                                                                                                                                                                                                                                                                                                              |     |                                                                    |     |     |     |
| <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> Mgr. Rastislav Cákoci, PhD., RNDr. Katarína Danielová, PhD., doc. RNDr. Daniel Guľák, PhD., doc. RNDr. František Križan, PhD., doc. RNDr. Eva Rajčáková, CSc., Mgr. Michala Sládeková Madajová, PhD., RNDr. Angelika Švecová, PhD., 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>                                                                                                                                                                                                                                                                                                                                                            |     |                                                                    |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------|------|------|------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                   |       |                                                             |      |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                 |       |                                                             |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                       |       |                                                             |      |      |      |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCXX-020/15                                                                                                                                                     |       | <b>Course title:</b><br>Practicals in Organic Chemistry (2) |      |      |      |
| <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> 6d<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: 242                                                                                                                         |       |                                                             |      |      |      |
| A                                                                                                                                                                                                 | B     | C                                                           | D    | E    | FX   |
| 37,19                                                                                                                                                                                             | 39,67 | 16,94                                                       | 4,55 | 1,24 | 0,41 |
| <b>Lecturers:</b> doc. RNDr. Peter Magdolen, PhD., Mgr. Iveta Kmentová, PhD., Mgr. Ambroz Almássy, PhD., PharmDr. Ivica Sigmundová, PhD.                                                          |       |                                                             |      |      |      |
| <b>Last change:</b> 09.11.2017                                                                                                                                                                    |       |                                                             |      |      |      |
| <b>Approved by:</b>                                                                                                                                                                               |       |                                                             |      |      |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                            |     |      |     |
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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                            |     |      |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |                                                                                            |     |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |                                                                                            |     |      |     |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCOR-012/16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | <b>Course title:</b><br>Practicals in Organic and Bioorganic Chemistry for Bachelor Thesis |     |      |     |
| <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> 98<br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                                                                                                                                                                                  |       |                                                                                            |     |      |     |
| <b>Number of credits:</b> 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |                                                                                            |     |      |     |
| <b>Recommended semester:</b> 8.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |                                                                                            |     |      |     |
| <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: 23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |                                                                                            |     |      |     |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | B     | C                                                                                          | D   | E    | FX  |
| 82,61                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13,04 | 0,0                                                                                        | 0,0 | 4,35 | 0,0 |
| <b>Lecturers:</b> Mgr. Ambroz Almáßy, PhD., doc. RNDr. Andrej Boháč, CSc., RNDr. Marek Cigán, PhD., Mgr. Juraj Filo, PhD., Mgr. Iveta Kmentová, PhD., doc. RNDr. Peter Magdolen, PhD., Mgr. Andrea Martinická, PhD., doc. Ing. Mária Mečiarová, PhD., Ing. Michal Májek, PhD., Mgr. Tibor Peňaška, PhD., Ing. Kristína Plevová, PhD., RNDr. Viera Poláčková, PhD., doc. RNDr. Martin Putala, CSc., PharmDr. Ivica Sigmundová, PhD., Mgr. Henrieta Stankovičová, PhD., Ing. Eva Veverková, CSc., prof. Mgr. Radovan Šebesta, DrSc., Mgr. Peter Šramel, PhD., RNDr. Pavol Tisovský, PhD. |       |                                                                                            |     |      |     |
| <b>Last change:</b> 10.11.2017                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |                                                                                            |     |      |     |
| <b>Approved by:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |                                                                                            |     |      |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                                                                                                                                            |     |                                                         |     |     |     |
| <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>Praktická geológia pre všetkých |     |     |     |
| <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> 28<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.                                                                                                                                                                                                                                                                                                                                          |     |                                                         |     |     |     |
| <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  |
| 75,0                                                                                                                                                                                                                                                                                                                                                                       | 0,0 | 25,0                                                    | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Renáta Adamcová, PhD., prof. RNDr. Martin Bednarik, PhD., Mgr. Rudolf Tornyai, PhD., doc. RNDr. Dávid Krčmář, PhD., Mgr. Martin Zatlakovič, PhD., RNDr. Tatiana Durmeková, PhD., doc. RNDr. Renáta Fľaková, PhD., RNDr. Ivana Ondrejková, PhD., prof. RNDr. Roman Pašteka, PhD., doc. Mgr. Vladimír Greif, PhD., doc. RNDr. Milan Seman, CSc. |     |                                                         |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                                                                                                                                                                                        |     |                                                         |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                                                                                                                                                                                        |     |                                                         |     |     |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |       |                                         |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                         |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                         |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/N-bCFZ-028/16                                                                                                                                                      |       | <b>Course title:</b><br>Quantum Physics |     |     |     |
| <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> 28<br><b>Form of the course:</b> on-site learning |       |                                         |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                        |       |                                         |     |     |     |
| <b>Recommended semester:</b> 7.                                                                                                                                                                    |       |                                         |     |     |     |
| <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: 18                                                                                                                           |       |                                         |     |     |     |
| A                                                                                                                                                                                                  | B     | C                                       | D   | E   | FX  |
| 72,22                                                                                                                                                                                              | 22,22 | 5,56                                    | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Miroslav Urban, DrSc.                                                                                                                                                |       |                                         |     |     |     |
| <b>Last change:</b> 13.11.2017                                                                                                                                                                     |       |                                         |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                |       |                                         |     |     |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |      |                                            |     |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |      |                                            |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |      |                                            |     |     |      |
| <b>Course ID:</b><br>PriF.KJCh/N-bCJD-006/15                                                                                                                                                       |      | <b>Course title:</b><br>Radiation and life |     |     |      |
| <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> 28<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.                                                                                                                                                                       |      |                                            |     |     |      |
| <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: 81                                                                                                                           |      |                                            |     |     |      |
| A                                                                                                                                                                                                  | B    | C                                          | D   | E   | FX   |
| 85,19                                                                                                                                                                                              | 7,41 | 2,47                                       | 0,0 | 0,0 | 4,94 |
| <b>Lecturers:</b> RNDr. Eva Viglašová, PhD., RNDr. Jana Slimáková, PhD., Ing. Darina Tóthová, CSc.,<br>Mgr. Michaela Matulová, PhD.                                                                |      |                                            |     |     |      |
| <b>Last change:</b> 15.11.2017                                                                                                                                                                     |      |                                            |     |     |      |
| <b>Approved by:</b>                                                                                                                                                                                |      |                                            |     |     |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |       |                                                |     |     |      |
| <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>Rastliny známe neznáme |     |     |      |
| <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> 28<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.                                                                                                                                                                  |       |                                                |     |     |      |
| <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: 110                                                                                                                          |       |                                                |     |     |      |
| A                                                                                                                                                                                                  | B     | C                                              | D   | E   | FX   |
| 53,64                                                                                                                                                                                              | 35,45 | 2,73                                           | 0,0 | 0,0 | 8,18 |
| <b>Lecturers:</b> Ing. Mgr. Eva Zahradníková, PhD., doc. Mgr. Katarína Mišíková, PhD., doc. RNDr. Jana Ščevková, PhD.                                                                              |       |                                                |     |     |      |
| <b>Last change:</b> 15.05.2021                                                                                                                                                                     |       |                                                |     |     |      |
| <b>Approved by:</b>                                                                                                                                                                                |       |                                                |     |     |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                                     |      |                                     |      |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                   |      |                                     |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                         |      |                                     |      |      |      |
| <b>Course ID:</b><br>PriF.KDPP/N-bXDI-021/21                                                                                                                                                                                                                        |      | <b>Course title:</b><br>Rhetoric SS |      |      |      |
| <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> 28<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.                                                                                                                                                                                                                                        |      |                                     |      |      |      |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                               |      |                                     |      |      |      |
| <b>Course requirements:</b><br>participation, activity, eventually final essay                                                                                                                                                                                      |      |                                     |      |      |      |
| <b>Learning outcomes:</b><br>The aim of the course is to teach students to adequately articulate their ideas, to express their attitudes and opinions, to use argumentation, think critically, to communicate adequately, and to listen or read with understanding. |      |                                     |      |      |      |
| <b>Class syllabus:</b><br>Except the introductory lectures, the course is conceived as seminars with discussions on chosen topics.                                                                                                                                  |      |                                     |      |      |      |
| <b>Recommended literature:</b><br>Aristoteles: Rétorika. Bratislava: Thetis, 2009.<br>Recommended sources are given to each topic separately.                                                                                                                       |      |                                     |      |      |      |
| <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   |
| 28,57                                                                                                                                                                                                                                                               | 40,0 | 20,0                                | 2,86 | 5,71 | 2,86 |
| <b>Lecturers:</b> Mgr. Štefan Zolcer, PhD.                                                                                                                                                                                                                          |      |                                     |      |      |      |
| <b>Last change:</b> 02.09.2021                                                                                                                                                                                                                                      |      |                                     |      |      |      |
| <b>Approved by:</b>                                                                                                                                                                                                                                                 |      |                                     |      |      |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                                     |      |                                     |     |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                   |      |                                     |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                         |      |                                     |     |     |      |
| <b>Course ID:</b><br>PriF.KDPP/N-bXDI-020/21                                                                                                                                                                                                                        |      | <b>Course title:</b><br>Rhetoric WS |     |     |      |
| <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> 28<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.                                                                                                                                                                                                                                        |      |                                     |     |     |      |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                               |      |                                     |     |     |      |
| <b>Course requirements:</b><br>participation, activity, eventually final essay                                                                                                                                                                                      |      |                                     |     |     |      |
| <b>Learning outcomes:</b><br>The aim of the course is to teach students to adequately articulate their ideas, to express their attitudes and opinions, to use argumentation, think critically, to communicate adequately, and to listen or read with understanding. |      |                                     |     |     |      |
| <b>Class syllabus:</b><br>Except the introductory lectures, the course is conceived as seminars with discussions on chosen topics.                                                                                                                                  |      |                                     |     |     |      |
| <b>Recommended literature:</b><br>Aristoteles: Rétorika. Bratislava: Thetis, 2009.<br>Recommended sources are given to each topic separately.                                                                                                                       |      |                                     |     |     |      |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                                                  |      |                                     |     |     |      |
| <b>Notes:</b>                                                                                                                                                                                                                                                       |      |                                     |     |     |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 50                                                                                                                                                                                            |      |                                     |     |     |      |
| A                                                                                                                                                                                                                                                                   | B    | C                                   | D   | E   | FX   |
| 30,0                                                                                                                                                                                                                                                                | 30,0 | 14,0                                | 2,0 | 2,0 | 22,0 |
| <b>Lecturers:</b> Mgr. Štefan Zolcer, PhD.                                                                                                                                                                                                                          |      |                                     |     |     |      |
| <b>Last change:</b> 02.09.2021                                                                                                                                                                                                                                      |      |                                     |     |     |      |
| <b>Approved by:</b>                                                                                                                                                                                                                                                 |      |                                     |     |     |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |       |                                                                  |       |      |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                                  |       |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                                  |       |      |     |
| <b>Course ID:</b><br>PriF.KŽFE/N-bBFE-021/15                                                                                                                                                       |       | <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> 28<br><b>Form of the course:</b> on-site learning |       |                                                                  |       |      |     |
| <b>Number of credits:</b> 3                                                                                                                                                                        |       |                                                                  |       |      |     |
| <b>Recommended semester:</b> 7.                                                                                                                                                                    |       |                                                                  |       |      |     |
| <b>Educational level:</b> I.                                                                                                                                                                       |       |                                                                  |       |      |     |
| <b>Prerequisites:</b> PriF.KBCh/N-bCXX-016/15 - Biochemistry (1) and PriF.KBCh/N-bCXX-017/15 - Biochemistry (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: 117                                                                                                                          |       |                                                                  |       |      |     |
| A                                                                                                                                                                                                  | B     | C                                                                | D     | E    | FX  |
| 12,82                                                                                                                                                                                              | 16,24 | 21,37                                                            | 13,68 | 35,9 | 0,0 |
| <b>Lecturers:</b> doc. Mgr. Monika Okuliarová, PhD., Mgr. Peter Štefánik, PhD., prof. RNDr. Michal Zeman, DrSc., Mgr. Jana Zlacká, PhD., Mgr. Roman Moravčík, PhD.                                 |       |                                                                  |       |      |     |
| <b>Last change:</b> 09.11.2017                                                                                                                                                                     |       |                                                                  |       |      |     |
| <b>Approved by:</b>                                                                                                                                                                                |       |                                                                  |       |      |     |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|-------|-------|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |       |                                                                                       |       |       |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                                                                       |       |       |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                                                                       |       |       |     |
| <b>Course ID:</b><br>PriF.KAgCh/N-bCAG-015/16                                                                                                                                                                         |       | <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> 14 / 14<br><b>Form of the course:</b> on-site learning |       |                                                                                       |       |       |     |
| <b>Number of credits:</b> 2                                                                                                                                                                                           |       |                                                                                       |       |       |     |
| <b>Recommended semester:</b> 8.                                                                                                                                                                                       |       |                                                                                       |       |       |     |
| <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: 7                                                                                                                                               |       |                                                                                       |       |       |     |
| A                                                                                                                                                                                                                     | B     | C                                                                                     | D     | E     | FX  |
| 14,29                                                                                                                                                                                                                 | 28,57 | 0,0                                                                                   | 28,57 | 28,57 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Jozef Tatiersky, PhD.                                                                                                                                                                    |       |                                                                                       |       |       |     |
| <b>Last change:</b> 13.11.2017                                                                                                                                                                                        |       |                                                                                       |       |       |     |
| <b>Approved by:</b>                                                                                                                                                                                                   |       |                                                                                       |       |       |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------|-------|-------|-----|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                             |      |                                           |       |       |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                           |      |                                           |       |       |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                 |      |                                           |       |       |     |
| <b>Course ID:</b><br>PriF.KAlCh/N-bCXX-010/16                                                                                                                                                                                               |      | <b>Course title:</b><br>Separated methods |       |       |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 3 / 2 / 1 <b>per level/semester:</b> 42 / 28 / 14<br><b>Form of the course:</b> on-site learning |      |                                           |       |       |     |
| <b>Number of credits:</b> 6                                                                                                                                                                                                                 |      |                                           |       |       |     |
| <b>Recommended semester:</b> 7.                                                                                                                                                                                                             |      |                                           |       |       |     |
| <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: 105                                                                                                                                                                   |      |                                           |       |       |     |
| A                                                                                                                                                                                                                                           | B    | C                                         | D     | E     | FX  |
| 10,48                                                                                                                                                                                                                                       | 18,1 | 35,24                                     | 22,86 | 13,33 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Marian Masár, PhD., RNDr. Jaroslav Blaško, PhD., Mgr. Jasna Hradski, PhD., Ing. Roman Szücs, PhD., doc. RNDr. Róbert Góra, PhD., RNDr. Peter Troška, PhD.                                                      |      |                                           |       |       |     |
| <b>Last change:</b> 13.11.2017                                                                                                                                                                                                              |      |                                           |       |       |     |
| <b>Approved by:</b>                                                                                                                                                                                                                         |      |                                           |       |       |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                |     |                                                             |     |     |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                              |     |                                                             |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                    |     |                                                             |     |     |      |
| <b>Course ID:</b><br>PriF.KTV/N-bUXX-205/15                                                                                                                                                    |     | <b>Course title:</b><br>Summer physic-educational meeting 2 |     |     |      |
| <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> 7d<br><b>Form of the course:</b> on-site learning |     |                                                             |     |     |      |
| <b>Number of credits:</b> 1                                                                                                                                                                    |     |                                                             |     |     |      |
| <b>Recommended semester:</b> 2., 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: 371                                                                                                                      |     |                                                             |     |     |      |
| A                                                                                                                                                                                              | B   | C                                                           | D   | E   | FX   |
| 99,46                                                                                                                                                                                          | 0,0 | 0,0                                                         | 0,0 | 0,0 | 0,54 |
| <b>Lecturers:</b> Mgr. Kristína Vanýsková, PaedDr. Vladimír Pajkoš                                                                                                                             |     |                                                             |     |     |      |
| <b>Last change:</b>                                                                                                                                                                            |     |                                                             |     |     |      |
| <b>Approved by:</b>                                                                                                                                                                            |     |                                                             |     |     |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |       |                                      |     |     |     |
| <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>Teória druhu |     |     |     |
| <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> 28<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.                                                                                                                                                                  |       |                                      |     |     |     |
| <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: 9                                                                                                                            |       |                                      |     |     |     |
| A                                                                                                                                                                                                  | B     | C                                    | D   | E   | FX  |
| 77,78                                                                                                                                                                                              | 11,11 | 11,11                                | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. Mgr. Peter Vďačný, PhD.                                                                                                                                                     |       |                                      |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                |       |                                      |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                                |       |                                      |     |     |     |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------|-------|-------|------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |      |                                                 |       |       |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |      |                                                 |       |       |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |      |                                                 |       |       |      |
| <b>Course ID:</b><br>PriF.KFTCh/N-bCXX-015/15                                                                                                                                                                         |      | <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> 28 / 14<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: 108                                                                                                                                             |      |                                                 |       |       |      |
| A                                                                                                                                                                                                                     | B    | C                                               | D     | E     | FX   |
| 20,37                                                                                                                                                                                                                 | 7,41 | 15,74                                           | 23,15 | 32,41 | 0,93 |
| <b>Lecturers:</b> prof. RNDr. Ivan Černušák, DrSc., prof. RNDr. Miroslav Urban, DrSc.                                                                                                                                 |      |                                                 |       |       |      |
| <b>Last change:</b> 13.11.2017                                                                                                                                                                                        |      |                                                 |       |       |      |
| <b>Approved by:</b>                                                                                                                                                                                                   |      |                                                 |       |       |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |       |                                    |      |      |      |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                    |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                    |      |      |      |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCXX-046/16                                                                                                                                                                         |       | <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> 14 / 14<br><b>Form of the course:</b> on-site learning |       |                                    |      |      |      |
| <b>Number of credits:</b> 3                                                                                                                                                                                           |       |                                    |      |      |      |
| <b>Recommended semester:</b> 8.                                                                                                                                                                                       |       |                                    |      |      |      |
| <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: 113                                                                                                                                             |       |                                    |      |      |      |
| A                                                                                                                                                                                                                     | B     | C                                  | D    | E    | FX   |
| 61,06                                                                                                                                                                                                                 | 21,24 | 10,62                              | 4,42 | 1,77 | 0,88 |
| <b>Lecturers:</b> Mgr. Henrieta Stankovičová, PhD.                                                                                                                                                                    |       |                                    |      |      |      |
| <b>Last change:</b> 14.11.2017                                                                                                                                                                                        |       |                                    |      |      |      |
| <b>Approved by:</b>                                                                                                                                                                                                   |       |                                    |      |      |      |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |      |                                                                     |     |      |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |      |                                                                     |     |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |      |                                                                     |     |      |     |
| <b>Course ID:</b><br>PriF.KFTCh/N-bCFZ-001/15                                                                                                                                                                         |      | <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> 14 / 14<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: 70                                                                                                                                              |      |                                                                     |     |      |     |
| A                                                                                                                                                                                                                     | B    | C                                                                   | D   | E    | FX  |
| 97,14                                                                                                                                                                                                                 | 1,43 | 0,0                                                                 | 0,0 | 1,43 | 0,0 |
| <b>Lecturers:</b> doc. Mgr. Michal Pitoňák, PhD., prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                    |      |                                                                     |     |      |     |
| <b>Last change:</b> 14.11.2017                                                                                                                                                                                        |      |                                                                     |     |      |     |
| <b>Approved by:</b>                                                                                                                                                                                                   |      |                                                                     |     |      |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                |     |                                                           |     |     |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                              |     |                                                           |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                    |     |                                                           |     |     |     |
| <b>Course ID:</b><br>PriF.KTV/N-bUXX-201/00                                                                                                                                                    |     | <b>Course title:</b><br>Winter physic-educational meeting |     |     |     |
| <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> 7d<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.                                                                                                                                                                   |     |                                                           |     |     |     |
| <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: 556                                                                                                                      |     |                                                           |     |     |     |
| A                                                                                                                                                                                              | B   | C                                                         | D   | E   | FX  |
| 100,0                                                                                                                                                                                          | 0,0 | 0,0                                                       | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Martin Mokošák, PhD.                                                                                                                                                    |     |                                                           |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                 |     |                                                           |     |     |     |
| <b>Approved by:</b>                                                                                                                                                                            |     |                                                           |     |     |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                    |       |                                                   |      |      |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                  |       |                                                   |      |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                   |      |      |       |
| <b>Course ID:</b><br>PriF.KJCh/N-bCXX-001/20                                                                                                                                                       |       | <b>Course title:</b><br>Základné chemické výpočty |      |      |       |
| <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> 28<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: 67                                                                                                                           |       |                                                   |      |      |       |
| A                                                                                                                                                                                                  | B     | C                                                 | D    | E    | FX    |
| 22,39                                                                                                                                                                                              | 28,36 | 16,42                                             | 8,96 | 1,49 | 22,39 |
| <b>Lecturers:</b> Ing. Darina Tóthová, CSc., RNDr. Eva Viglašová, PhD.                                                                                                                             |       |                                                   |      |      |       |
| <b>Last change:</b>                                                                                                                                                                                |       |                                                   |      |      |       |
| <b>Approved by:</b>                                                                                                                                                                                |       |                                                   |      |      |       |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------|-------|-------|-------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |       |                                            |       |       |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                            |       |       |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                            |       |       |       |
| <b>Course ID:</b><br>PriF.KAgCh/N-bCXX-008/20                                                                                                                                                                         |       | <b>Course title:</b><br>Základy chémie (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 / 3 <b>per level/semester:</b> 28 / 42<br><b>Form of the course:</b> on-site learning |       |                                            |       |       |       |
| <b>Number of credits:</b> 5                                                                                                                                                                                           |       |                                            |       |       |       |
| <b>Recommended semester:</b> 1.                                                                                                                                                                                       |       |                                            |       |       |       |
| <b>Educational level:</b> 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: 67                                                                                                                                              |       |                                            |       |       |       |
| A                                                                                                                                                                                                                     | B     | C                                          | D     | E     | FX    |
| 13,43                                                                                                                                                                                                                 | 16,42 | 11,94                                      | 13,43 | 17,91 | 26,87 |
| <b>Lecturers:</b> prof. RNDr. Jozef Noga, DrSc., RNDr. Zuzana Matkovičová, PhD., RNDr. Jana Chrappová, PhD.                                                                                                           |       |                                            |       |       |       |
| <b>Last change:</b>                                                                                                                                                                                                   |       |                                            |       |       |       |
| <b>Approved by:</b>                                                                                                                                                                                                   |       |                                            |       |       |       |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------|------|------|-------|
| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |      |                                            |      |      |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |      |                                            |      |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |      |                                            |      |      |       |
| <b>Course ID:</b><br>PriF.KOrCh/N-bCXX-008/20                                                                                                                                                                         |      | <b>Course title:</b><br>Základy chémie (2) |      |      |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 / 3 <b>per level/semester:</b> 28 / 42<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: 56                                                                                                                                              |      |                                            |      |      |       |
| A                                                                                                                                                                                                                     | B    | C                                          | D    | E    | FX    |
| 3,57                                                                                                                                                                                                                  | 7,14 | 14,29                                      | 7,14 | 8,93 | 58,93 |
| <b>Lecturers:</b> doc. RNDr. Martin Putala, CSc., RNDr. Jana Chrappová, PhD., Mgr. Henrieta Stankovičová, PhD.                                                                                                        |      |                                            |      |      |       |
| <b>Last change:</b>                                                                                                                                                                                                   |      |                                            |      |      |       |
| <b>Approved by:</b>                                                                                                                                                                                                   |      |                                            |      |      |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |       |                                            |       |      |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |       |                                            |       |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                            |       |      |       |
| <b>Course ID:</b><br>PriF-FMFI.KDMFI/N-<br>bCXX-003/20                                                                                                                                                                |       | <b>Course title:</b><br>Základy fyziky (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 / 2 <b>per level/semester:</b> 28 / 28<br><b>Form of the course:</b> on-site learning |       |                                            |       |      |       |
| <b>Number of credits:</b> 5                                                                                                                                                                                           |       |                                            |       |      |       |
| <b>Recommended semester:</b> 1.                                                                                                                                                                                       |       |                                            |       |      |       |
| <b>Educational level:</b> 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: 67                                                                                                                                              |       |                                            |       |      |       |
| A                                                                                                                                                                                                                     | B     | C                                          | D     | E    | FX    |
| 8,96                                                                                                                                                                                                                  | 23,88 | 20,9                                       | 11,94 | 7,46 | 26,87 |
| <b>Lecturers:</b> doc. RNDr. Peter Demkanin, PhD., Mgr. Silvia Novotná, PaedDr. Tünde Kiss, PhD.                                                                                                                      |       |                                            |       |      |       |
| <b>Last change:</b> 06.02.2021                                                                                                                                                                                        |       |                                            |       |      |       |
| <b>Approved by:</b>                                                                                                                                                                                                   |       |                                            |       |      |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                       |     |                                            |       |       |       |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                     |     |                                            |       |       |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |     |                                            |       |       |       |
| <b>Course ID:</b><br>PriF-FMFI.KDMFI/N-<br>bCXX-011/20                                                                                                                                                                |     | <b>Course title:</b><br>Základy fyziky (2) |       |       |       |
| <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> 28 / 28<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: 55                                                                                                                                              |     |                                            |       |       |       |
| A                                                                                                                                                                                                                     | B   | C                                          | D     | E     | FX    |
| 14,55                                                                                                                                                                                                                 | 0,0 | 9,09                                       | 10,91 | 18,18 | 47,27 |
| <b>Lecturers:</b> doc. PaedDr. Viera Haverlíková, PhD., PaedDr. Tünde Kiss, PhD.                                                                                                                                      |     |                                            |       |       |       |
| <b>Last change:</b> 06.02.2021                                                                                                                                                                                        |     |                                            |       |       |       |
| <b>Approved by:</b>                                                                                                                                                                                                   |     |                                            |       |       |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                       |       |                                                       |      |       |     |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                     |       |                                                       |      |       |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |       |                                                       |      |       |     |
| <b>Course ID:</b><br>PriF.KJCh/N-bCXX-009/20                                                                                                                                                          |       | <b>Course title:</b><br>Základy laboratórnej techniky |      |       |     |
| <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> 56<br><b>Form of the course:</b> on-site learning |       |                                                       |      |       |     |
| <b>Number of credits:</b> 4                                                                                                                                                                           |       |                                                       |      |       |     |
| <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: 22                                                                                                                              |       |                                                       |      |       |     |
| A                                                                                                                                                                                                     | B     | C                                                     | D    | E     | FX  |
| 4,55                                                                                                                                                                                                  | 45,45 | 27,27                                                 | 4,55 | 18,18 | 0,0 |
| <b>Lecturers:</b> Ing. Darina Tóthová, CSc., RNDr. Eva Viglašová, PhD.                                                                                                                                |       |                                                       |      |       |     |
| <b>Last change:</b>                                                                                                                                                                                   |       |                                                       |      |       |     |
| <b>Approved by:</b>                                                                                                                                                                                   |       |                                                       |      |       |     |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                |
| <b>Course ID:</b><br>PriF-FMFI.KAG/N-<br>bCXX-002/20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Course title:</b><br>Základy matematiky (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 / 2 <b>per level/semester:</b> 28 / 28<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><br>The student can get 50% for exercises and 50% for the final exam. The student must obtain at least half of the points for the exercises in order to pass to the final exam. During the teaching part of the semester, the student obtains points via written homework assignments.<br>The final exam consists of a passfail test (10%) and a regular test (20% examples, 20% theoretical questions). Successful completion (8 points out of 10 points) of the passfail test is a necessary condition for admission to the regular test. To successfully pass the final exam, it is necessary to obtain at least half of the points together for both of the final exam tests.<br>Grading: A (100-91), B (90-81), C (80-71), D (70-61), E (60-51), Fx (50-0).<br>Scale of assessment (preliminary/final): Preliminary assessment 50% (written homework assignments) / 50% final exam (10% passfail and 40% regular test).                                                                   |                                                |
| <b>Learning outcomes:</b><br>Students will gain the necessary skills in manipulation with numbers, mathematical expressions, elementary functions. They will expand their knowledge of geometry.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                |
| <b>Class syllabus:</b> <ol style="list-style-type: none"> <li>1. Mathematical terminology and mathematical logic. Basics of proper mathematical expression and designation.</li> <li>2. Logical formulae and proofs. Types of mathematical proofs illustrated in elementary examples.</li> <li>3. Sets and number sets (basic operations with numbers and expressions, numbers, various notations, fractions). Numbers and their geometric representation on a line (absolute value and its geometric meaning).</li> <li>4. Elementary number theory, divisibility, prime numbers, compound numbers.</li> <li>5. Expressions, linear and quadratic expressions with variables. Properties of mathematical operations (commutation, distribution, simplification, etc.)</li> <li>6. Elementary functions (polynomial, linear, quadratic, n-th power and n-th root, trigonometric, exponential, logarithmic functions, their properties and calculation). The graph of a real function and its basic properties.</li> </ol> |                                                |

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| 7. Equations and inequalities of one variable (linear and quadratic, with absolute value, with n-th power and n-th root, trigonometric, exponential, logarithmic). Calculator vs. adjustment before enumeration. |      |      |       |      |       |
| <b>Recommended literature:</b><br>Základy matematiky / Mário Boroš : Ikar, 2016<br>Seminár z matematiky 1-3 / Zbyněk Kubáček, Ján Žabka : Mapa Slovakia                                                          |      |      |       |      |       |
| <b>Languages necessary to complete the course:</b><br>Slovak, English                                                                                                                                            |      |      |       |      |       |
| <b>Notes:</b>                                                                                                                                                                                                    |      |      |       |      |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 67                                                                                                                                         |      |      |       |      |       |
| A                                                                                                                                                                                                                | B    | C    | D     | E    | FX    |
| 0,0                                                                                                                                                                                                              | 7,46 | 19,4 | 17,91 | 4,48 | 50,75 |
| <b>Lecturers:</b> RNDr. Martina Bátorová, PhD.                                                                                                                                                                   |      |      |       |      |       |
| <b>Last change:</b> 21.06.2022                                                                                                                                                                                   |      |      |       |      |       |
| <b>Approved by:</b>                                                                                                                                                                                              |      |      |       |      |       |

## COURSE DESCRIPTION

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| <b>Academic year:</b> 2021/2022                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                |
| <b>University:</b> Comenius University Bratislava                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                |
| <b>Course ID:</b><br>PriF-FMFI.KAG/C-<br>bCXX-010/20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Course title:</b><br>Základy matematiky (2) |
| <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> 28 / 28<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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                |
| <b>Course requirements:</b><br>The student can get 50% for exercises and 50% for the final exam. The student must obtain at least half of the points for the exercises in order to pass to the final exam. During the teaching part of the semester, the student obtains points via written homework assignments.<br>The final exam consists of a passfail test (10%) and a regular test (20% examples, 20% theoretical questions). Successful completion (8 points out of 10 points) of the passfail test is a necessary condition for admission to the regular test. To successfully pass the final exam, it is necessary to obtain at least half of the points together for both of the final exam tests.<br>Grading: A (100-91), B (90-81), C (80-71), D (70-61), E (60-51), Fx (50-0).<br>Scale of assessment (preliminary/final): Preliminary assessment 50% (written homework assignments) / 50% final exam (10% passfail and 40% regular test). |                                                |
| <b>Learning outcomes:</b><br>Students will acquire the necessary skills in mathematical operations with complex numbers, combinatorics, basics of probability and statistics, and analytical and synthetic geometry in the plane and space.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                |
| <b>Class syllabus:</b><br>8. Basics of calculating sequences and series (arithmetic and geometric sequence, partial sums) and their applications.<br>9. Linear equations and inequalities with two or three unknowns and their solutions. Equation and inequalities with parameters.<br>10. Elementary analytical geometry in the plane (vectors, lines, triangle, polygon, circle, conic section, scalar product) and its relationship with solutions of equations. Isometries and similarities in plane.<br>11. Elementary analytical geometry in space (planes, vector product). Basic bodies and their imaging.<br>12. Complex numbers, calculations and their geometric properties (representations, basic operations, complex n-th power and n-th root, Moivre's theorem)<br>13. Basic combinatorial procedures without using the traditional formulae                                                                                            |                                                |

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| 14. Basic concept of probability and statistics (reading diagrams and understanding of basic statistical indicators, basic understanding of the relationship between truth and statistical indicator) |      |      |       |      |       |
| 15. Limits via geometric and computational methods (basic rules of calculating limits, derivatives of elementary functions, graphs of functions and their properties)                                 |      |      |       |      |       |
| <b>Recommended literature:</b>                                                                                                                                                                        |      |      |       |      |       |
| Základy matematiky / Mário Boroš : Ikar, 2016                                                                                                                                                         |      |      |       |      |       |
| Seminár z matematiky 1-3 / Zbyněk Kubáček, Ján Žabka : Mapa Slovakia                                                                                                                                  |      |      |       |      |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                    |      |      |       |      |       |
| Slovak, English                                                                                                                                                                                       |      |      |       |      |       |
| <b>Notes:</b>                                                                                                                                                                                         |      |      |       |      |       |
| <b>Past grade distribution</b>                                                                                                                                                                        |      |      |       |      |       |
| Total number of evaluated students: 59                                                                                                                                                                |      |      |       |      |       |
| A                                                                                                                                                                                                     | B    | C    | D     | E    | FX    |
| 0,0                                                                                                                                                                                                   | 1,69 | 5,08 | 13,56 | 6,78 | 72,88 |
| <b>Lecturers:</b> RNDr. Martina Bátorová, PhD.                                                                                                                                                        |      |      |       |      |       |
| <b>Last change:</b> 21.06.2022                                                                                                                                                                        |      |      |       |      |       |
| <b>Approved by:</b>                                                                                                                                                                                   |      |      |       |      |       |