

## Course descriptions

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## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|------------------------------------------------------------------------------------------|-----|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                                          |     |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                          |     |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-123/12                                                                                                                               |     |     | <b>Course title:</b><br>A chapter in a scientific monograph issued by a Slovak publisher |     |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                                          |     |     |     |     |
| <b>Number of credits:</b> 10                                                                                                                                                   |     |     |                                                                                          |     |     |     |     |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                          |     |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                          |     |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                          |     |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                          |     |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                          |     |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                          |     |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                          |     |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                          |     |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                          |     |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |     |     |                                                                                          |     |     |     |     |
| A                                                                                                                                                                              | B   | C   | D                                                                                        | E   | FX  | N   | P   |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                                                      | 0,0 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |                                                                                          |     |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                          |     |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                                          |     |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-------------------------------------------------------------------------------------------|-----|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                                           |     |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                           |     |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-122/12                                                                                                                               |     |     | <b>Course title:</b><br>A chapter in a scientific monograph issued by a foreign publisher |     |     |     |     |
| <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> 14                                                                                                                                                   |     |     |                                                                                           |     |     |     |     |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                           |     |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                           |     |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                           |     |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                           |     |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                           |     |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                           |     |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                           |     |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                           |     |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                           |     |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |     |     |                                                                                           |     |     |     |     |
| A                                                                                                                                                                              | B   | C   | D                                                                                         | E   | FX  | N   | P   |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                                                       | 0,0 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |                                                                                           |     |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                           |     |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                                           |     |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|--------------------------------------------------------------------------------------------|-----|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                                            |     |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                            |     |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-134/12                                                                                                                               |     |     | <b>Course title:</b><br>A citation in a Slovak publication,unregisterd in citation indices |     |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                                            |     |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                    |     |     |                                                                                            |     |     |     |     |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                            |     |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                            |     |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                            |     |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                            |     |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                            |     |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                            |     |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                            |     |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                            |     |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                            |     |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |     |     |                                                                                            |     |     |     |     |
| A                                                                                                                                                                              | B   | C   | D                                                                                          | E   | FX  | N   | P   |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                                                        | 0,0 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |                                                                                            |     |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                            |     |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                                            |     |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----------------------------------------------------------------------------------------------|-----|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                                               |     |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                               |     |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-133/12                                                                                                                               |     |     | <b>Course title:</b><br>A citation in a foreign publication, unregistered in citation indices |     |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                                               |     |     |     |     |
| <b>Number of credits:</b> 3                                                                                                                                                    |     |     |                                                                                               |     |     |     |     |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                               |     |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                               |     |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                               |     |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                               |     |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                               |     |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                               |     |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                               |     |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                               |     |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                               |     |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |     |     |                                                                                               |     |     |     |     |
| A                                                                                                                                                                              | B   | C   | D                                                                                             | E   | FX  | N   | P   |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                                                           | 0,0 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |                                                                                               |     |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                               |     |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                                               |     |     |     |     |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|----------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                            |     |     |                                                                                                                                  |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                     |     |     |                                                                                                                                  |     |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-132/12                                                                                                                                                                |     |     | <b>Course title:</b><br>A citation in a publication registered in the Web of Science citation indices and in the SCOPUS database |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                  |     |     |                                                                                                                                  |     |     |     |       |
| <b>Number of credits:</b> 4                                                                                                                                                                                     |     |     |                                                                                                                                  |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                                                    |     |     |                                                                                                                                  |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                                                  |     |     |                                                                                                                                  |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                                                           |     |     |                                                                                                                                  |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                                                     |     |     |                                                                                                                                  |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                                                       |     |     |                                                                                                                                  |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                                                          |     |     |                                                                                                                                  |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                                                  |     |     |                                                                                                                                  |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                              |     |     |                                                                                                                                  |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                                                   |     |     |                                                                                                                                  |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 14                                                                                                                                        |     |     |                                                                                                                                  |     |     |     |       |
| A                                                                                                                                                                                                               | B   | C   | D                                                                                                                                | E   | FX  | N   | P     |
| 0,0                                                                                                                                                                                                             | 0,0 | 0,0 | 0,0                                                                                                                              | 0,0 | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b> prof. RNDr. Juraj Bujdák, DrSc., prof. RNDr. Ivan Černušák, DrSc., doc. Ing. Marián Janek, PhD., prof. RNDr. Miroslav Urban, DrSc., doc. RNDr. Ivan Valent, CSc., doc. Ing. Dušan Velič, PhD. |     |     |                                                                                                                                  |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                                                             |     |     |                                                                                                                                  |     |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                                            |     |     |                                                                                                                                  |     |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                   |     |     |                                                                                               |     |     |     |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                              |     |     |                                                                                               |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                       |     |     |                                                                                               |     |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-126/12                                                                                                                                  |     |     | <b>Course title:</b><br>A publication in a Slovak peer-reviewed, non current contents journal |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:    per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                                               |     |     |     |       |
| <b>Number of credits:</b> 10                                                                                                                                                      |     |     |                                                                                               |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                      |     |     |                                                                                               |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                    |     |     |                                                                                               |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                             |     |     |                                                                                               |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                       |     |     |                                                                                               |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                         |     |     |                                                                                               |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                            |     |     |                                                                                               |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                    |     |     |                                                                                               |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                |     |     |                                                                                               |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                     |     |     |                                                                                               |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 3                                                                                                           |     |     |                                                                                               |     |     |     |       |
| A                                                                                                                                                                                 | B   | C   | D                                                                                             | E   | FX  | N   | P     |
| 0,0                                                                                                                                                                               | 0,0 | 0,0 | 0,0                                                                                           | 0,0 | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b>                                                                                                                                                                 |     |     |                                                                                               |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                               |     |     |                                                                                               |     |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                              |     |     |                                                                                               |     |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                |     |     |                                                                                                |     |     |     |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|------------------------------------------------------------------------------------------------|-----|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                                                |     |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                                |     |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-125/12                                                                                                                               |     |     | <b>Course title:</b><br>A publication in a foreign peer-reviewed, non current contents journal |     |     |     |     |
| <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> 14                                                                                                                                                   |     |     |                                                                                                |     |     |     |     |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                                |     |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                                |     |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                                |     |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                                |     |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                                |     |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                                |     |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                                |     |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                                |     |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                                |     |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |     |     |                                                                                                |     |     |     |     |
| A                                                                                                                                                                              | B   | C   | D                                                                                              | E   | FX  | N   | P   |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                                                            | 0,0 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |                                                                                                |     |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                                |     |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                                                |     |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                  |     |     |                                                                             |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                           |     |     |                                                                             |     |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-124/12                                                                                                                                      |     |     | <b>Course title:</b><br>A publication in a peer-reviewed scientific journal |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                             |     |     |     |       |
| <b>Number of credits:</b> 28                                                                                                                                                          |     |     |                                                                             |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                          |     |     |                                                                             |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                        |     |     |                                                                             |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                                 |     |     |                                                                             |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                           |     |     |                                                                             |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                             |     |     |                                                                             |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                                |     |     |                                                                             |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                        |     |     |                                                                             |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                    |     |     |                                                                             |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                         |     |     |                                                                             |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 37                                                                                                              |     |     |                                                                             |     |     |     |       |
| A                                                                                                                                                                                     | B   | C   | D                                                                           | E   | FX  | N   | P     |
| 5,41                                                                                                                                                                                  | 0,0 | 0,0 | 0,0                                                                         | 0,0 | 0,0 | 0,0 | 94,59 |
| <b>Lecturers:</b> prof. RNDr. Juraj Bujdák, DrSc., prof. RNDr. Ivan Černušák, DrSc., doc. Ing. Marián Janek, PhD., doc. RNDr. Ivan Valent, CSc., doc. Ing. Dušan Velič, PhD.          |     |     |                                                                             |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                                   |     |     |                                                                             |     |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                  |     |     |                                                                             |     |     |     |       |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|---------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                                                               |     |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                                               |     |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-121/12                                                                                                                               |     |     | <b>Course title:</b><br>A scientific monograph or an equivalent scientific study issued by a Slovak publisher |     |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                                                               |     |     |     |     |
| <b>Number of credits:</b> 20                                                                                                                                                   |     |     |                                                                                                               |     |     |     |     |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                                               |     |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                                               |     |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                                               |     |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                                               |     |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                                               |     |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                                               |     |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                                               |     |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                                               |     |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                                               |     |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |     |     |                                                                                                               |     |     |     |     |
| A                                                                                                                                                                              | B   | C   | D                                                                                                             | E   | FX  | N   | P   |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                                                                           | 0,0 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |                                                                                                               |     |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                                               |     |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                                                               |     |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|----------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                                                                |     |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                                                |     |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-120/12                                                                                                                               |     |     | <b>Course title:</b><br>A scientific monograph or an equivalent scientific study issued by a foreign publisher |     |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                                                                |     |     |     |     |
| <b>Number of credits:</b> 30                                                                                                                                                   |     |     |                                                                                                                |     |     |     |     |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                                                |     |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                                                |     |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                                                |     |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                                                |     |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                                                |     |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                                                |     |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                                                |     |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                                                |     |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                                                |     |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |     |     |                                                                                                                |     |     |     |     |
| A                                                                                                                                                                              | B   | C   | D                                                                                                              | E   | FX  | N   | P   |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                                                                            | 0,0 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |                                                                                                                |     |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                                                |     |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                                                                |     |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|--------------------------------------------------------------------------------------------------------|-----|-----|-----|------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                                                        |     |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                                        |     |     |     |      |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-127/12                                                                                                                               |     |     | <b>Course title:</b><br>A scientific paper in a peer-reviewed foreign collective volume or a monograph |     |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                                                        |     |     |     |      |
| <b>Number of credits:</b> 8                                                                                                                                                    |     |     |                                                                                                        |     |     |     |      |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                                        |     |     |     |      |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                                        |     |     |     |      |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                                        |     |     |     |      |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                                        |     |     |     |      |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                                        |     |     |     |      |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                                        |     |     |     |      |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                                        |     |     |     |      |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                                        |     |     |     |      |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                                        |     |     |     |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 5                                                                                                        |     |     |                                                                                                        |     |     |     |      |
| A                                                                                                                                                                              | B   | C   | D                                                                                                      | E   | FX  | N   | P    |
| 20,0                                                                                                                                                                           | 0,0 | 0,0 | 0,0                                                                                                    | 0,0 | 0,0 | 0,0 | 80,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |                                                                                                        |     |     |     |      |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                                        |     |     |     |      |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                                                        |     |     |     |      |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|---------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                                                                     |     |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                                                     |     |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-135/13                                                                                                                               |     |     | <b>Course title:</b><br>A scientific paper in foreign journals registered in the Web of Science or SCOPUS databases |     |     |     |     |
| <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> 19                                                                                                                                                   |     |     |                                                                                                                     |     |     |     |     |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                                                     |     |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                                                     |     |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                                                     |     |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                                                     |     |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                                                     |     |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                                                     |     |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                                                     |     |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                                                     |     |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                                                     |     |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |     |     |                                                                                                                     |     |     |     |     |
| A                                                                                                                                                                              | B   | C   | D                                                                                                                   | E   | FX  | N   | P   |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                                                                                 | 0,0 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |                                                                                                                     |     |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                                                     |     |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                                                                     |     |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|--------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                                                                    |     |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                                                    |     |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-136/13                                                                                                                               |     |     | <b>Course title:</b><br>A scientific paper in Slovak journals registered in the Web of Science or SCOPUS databases |     |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                                                                    |     |     |     |     |
| <b>Number of credits:</b> 15                                                                                                                                                   |     |     |                                                                                                                    |     |     |     |     |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                                                    |     |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                                                    |     |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                                                    |     |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                                                    |     |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                                                    |     |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                                                    |     |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                                                    |     |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                                                    |     |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                                                    |     |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |     |     |                                                                                                                    |     |     |     |     |
| A                                                                                                                                                                              | B   | C   | D                                                                                                                  | E   | FX  | N   | P   |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                                                                                | 0,0 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |                                                                                                                    |     |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                                                    |     |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                                                                    |     |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                                                     |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                                     |     |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-128/12                                                                                                                               |     |     | <b>Course title:</b><br>A scientific paper in a peer-reviewed Slovak collective volume or monograph |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                                                     |     |     |     |       |
| <b>Number of credits:</b> 6                                                                                                                                                    |     |     |                                                                                                     |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                                     |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                                     |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                                     |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                                     |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                                     |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                                     |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                                     |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                                     |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                                     |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 28                                                                                                       |     |     |                                                                                                     |     |     |     |       |
| A                                                                                                                                                                              | B   | C   | D                                                                                                   | E   | FX  | N   | P     |
| 17,86                                                                                                                                                                          | 0,0 | 0,0 | 0,0                                                                                                 | 0,0 | 0,0 | 0,0 | 82,14 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |                                                                                                     |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                                     |     |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                                                     |     |     |     |       |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------------------------------------------------------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                               |     |     |     |                                                                                     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                        |     |     |     |                                                                                     |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-106/12                                                                                                                                                                                                   |     |     |     | <b>Course title:</b><br>Active participation on international scientific conference |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                                                     |     |     |     |                                                                                     |     |     |       |
| <b>Number of credits:</b> 10                                                                                                                                                                                                                       |     |     |     |                                                                                     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                                                                                       |     |     |     |                                                                                     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                                                                                     |     |     |     |                                                                                     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                                                                                              |     |     |     |                                                                                     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                                                                                        |     |     |     |                                                                                     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                                                                                          |     |     |     |                                                                                     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                                                                                             |     |     |     |                                                                                     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                                                                                     |     |     |     |                                                                                     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                                 |     |     |     |                                                                                     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                                                                                      |     |     |     |                                                                                     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 7                                                                                                                                                                            |     |     |     |                                                                                     |     |     |       |
| A                                                                                                                                                                                                                                                  | B   | C   | D   | E                                                                                   | FX  | N   | P     |
| 0,0                                                                                                                                                                                                                                                | 0,0 | 0,0 | 0,0 | 0,0                                                                                 | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b> prof. RNDr. Ivan Černušák, DrSc., doc. Ing. Dušan Velič, PhD., doc. Mgr. Michal Pitoňák, PhD., prof. RNDr. Vladimír Kellö, DrSc., doc. Mgr. Pavel Neogrady, DrSc., prof. RNDr. Juraj Bujdák, DrSc., doc. RNDr. Ivan Valent, CSc. |     |     |     |                                                                                     |     |     |       |
| <b>Last change:</b>                                                                                                                                                                                                                                |     |     |     |                                                                                     |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                                                                               |     |     |     |                                                                                     |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                |     |     |     |                                                                                |     |     |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|--------------------------------------------------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                                                                |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                                                                |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-107/12                                                                                                                               |     |     |     | <b>Course title:</b><br>Active participation on national scientific conference |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                                                                |     |     |       |
| <b>Number of credits:</b> 6                                                                                                                                                    |     |     |     |                                                                                |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |     |                                                                                |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                                                                |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                                                                |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                                                                |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                                                                |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                                                                |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                                                                |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                                                                |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                                                                |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 7                                                                                                        |     |     |     |                                                                                |     |     |       |
| A                                                                                                                                                                              | B   | C   | D   | E                                                                              | FX  | N   | P     |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0 | 0,0                                                                            | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b> prof. RNDr. Juraj Bujdák, DrSc., prof. RNDr. Ivan Černušák, DrSc., doc. Ing. Marián Janek, PhD., doc. RNDr. Ivan Valent, CSc., doc. Ing. Dušan Velič, PhD.   |     |     |     |                                                                                |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                                                                |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                                                                |     |     |       |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|--------------------------------------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                                                    |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                                                    |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-130/12                                                                                                                               |     |     |     | <b>Course title:</b><br>An abstract for a Slovak hosted conference |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                                                    |     |     |       |
| <b>Number of credits:</b> 3                                                                                                                                                    |     |     |     |                                                                    |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |     |                                                                    |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                                                    |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                                                    |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                                                    |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                                                    |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                                                    |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                                                    |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                                                    |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                                                    |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 53                                                                                                       |     |     |     |                                                                    |     |     |       |
| A                                                                                                                                                                              | B   | C   | D   | E                                                                  | FX  | N   | P     |
| 7,55                                                                                                                                                                           | 0,0 | 0,0 | 0,0 | 0,0                                                                | 0,0 | 0,0 | 92,45 |
| <b>Lecturers:</b> prof. RNDr. Juraj Bujdák, DrSc., prof. RNDr. Ivan Černušák, DrSc., doc. Ing. Marián Janek, PhD., doc. RNDr. Ivan Valent, CSc., doc. Ing. Dušan Velič, PhD.   |     |     |     |                                                                    |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                                                    |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                                                    |     |     |       |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------------------------------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                          |     |     |     |                                                             |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                   |     |     |     |                                                             |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-129/12                                                                                                                                                                                              |     |     |     | <b>Course title:</b><br>An abstract for a conference abroad |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                                                |     |     |     |                                                             |     |     |       |
| <b>Number of credits:</b> 4                                                                                                                                                                                                                   |     |     |     |                                                             |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                                                                                  |     |     |     |                                                             |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                                                                                |     |     |     |                                                             |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                                                                                         |     |     |     |                                                             |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                                                                                   |     |     |     |                                                             |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                                                                                     |     |     |     |                                                             |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                                                                                        |     |     |     |                                                             |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                                                                                |     |     |     |                                                             |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                            |     |     |     |                                                             |     |     |       |
| <b>Notes:</b>                                                                                                                                                                                                                                 |     |     |     |                                                             |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 45                                                                                                                                                                      |     |     |     |                                                             |     |     |       |
| A                                                                                                                                                                                                                                             | B   | C   | D   | E                                                           | FX  | N   | P     |
| 6,67                                                                                                                                                                                                                                          | 0,0 | 0,0 | 0,0 | 0,0                                                         | 0,0 | 0,0 | 93,33 |
| <b>Lecturers:</b> prof. RNDr. Ivan Černušák, DrSc., doc. Mgr. Michal Pitoňák, PhD., doc. Mgr. Pavel Neogrády, DrSc., prof. RNDr. Juraj Bujdák, DrSc., doc. Ing. Marián Janek, PhD., doc. RNDr. Ivan Valent, CSc., doc. Ing. Dušan Velič, PhD. |     |     |     |                                                             |     |     |       |
| <b>Last change:</b>                                                                                                                                                                                                                           |     |     |     |                                                             |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                                                                          |     |     |     |                                                             |     |     |       |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|----------------------------------------------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                                                            |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                                                            |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-204/12                                                                                                                               |     |     |     | <b>Course title:</b><br>Assistance in supervising of undergraduate student |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                                                            |     |     |       |
| <b>Number of credits:</b> 4                                                                                                                                                    |     |     |     |                                                                            |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |     |                                                                            |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                                                            |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                                                            |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                                                            |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                                                            |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                                                            |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                                                            |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                                                            |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                                                            |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 3                                                                                                        |     |     |     |                                                                            |     |     |       |
| A                                                                                                                                                                              | B   | C   | D   | E                                                                          | FX  | N   | P     |
| 33,33                                                                                                                                                                          | 0,0 | 0,0 | 0,0 | 0,0                                                                        | 0,0 | 0,0 | 66,67 |
| <b>Lecturers:</b> prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Jozef Noga, DrSc.                                                                                             |     |     |     |                                                                            |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                                                            |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                                                            |     |     |       |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----------------------------------------------------------------------------|-----|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                             |     |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                             |     |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-211/12                                                                                                                               |     |     | <b>Course title:</b><br>Authorship in a university textbook and study texts |     |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                             |     |     |     |     |
| <b>Number of credits:</b> 20                                                                                                                                                   |     |     |                                                                             |     |     |     |     |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                             |     |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                             |     |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                             |     |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                             |     |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                             |     |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                             |     |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                             |     |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                             |     |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                             |     |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |     |     |                                                                             |     |     |     |     |
| A                                                                                                                                                                              | B   | C   | D                                                                           | E   | FX  | N   | P   |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                                         | 0,0 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Jozef Noga, DrSc.                                                                                             |     |     |                                                                             |     |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                             |     |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                             |     |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|------------------------------------------------------------------------------------------|-----|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                                          |     |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                          |     |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-212/12                                                                                                                               |     |     | <b>Course title:</b><br>Authorship in a chapter in a university textbook and study texts |     |     |     |     |
| <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> 7                                                                                                                                                    |     |     |                                                                                          |     |     |     |     |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                          |     |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                          |     |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                          |     |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                          |     |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                          |     |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                          |     |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                          |     |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                          |     |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                          |     |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |     |     |                                                                                          |     |     |     |     |
| A                                                                                                                                                                              | B   | C   | D                                                                                        | E   | FX  | N   | P   |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                                                      | 0,0 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Jozef Noga, DrSc.                                                                                             |     |     |                                                                                          |     |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                          |     |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                                          |     |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|---------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                                   |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                                   |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-202/12                                                                                                                               |     |     |     | <b>Course title:</b><br>Autorstvo učebných textov |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                                   |     |     |     |
| <b>Number of credits:</b> 12                                                                                                                                                   |     |     |     |                                                   |     |     |     |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |     |                                                   |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                                   |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                                   |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                                   |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                                   |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                                   |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                                   |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                                   |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                                   |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |     |     |     |                                                   |     |     |     |
| A                                                                                                                                                                              | B   | C   | D   | E                                                 | FX  | N   | P   |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0 | 0,0                                               | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Jozef Noga, DrSc.                                                                                             |     |     |     |                                                   |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                                   |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                                   |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|---------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                             |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                             |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/N-DCTP-011/15                                                                                                                                  |     |     |     | <b>Course title:</b><br>Chemical Reactivity |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                             |     |     |     |
| <b>Number of credits:</b> 3                                                                                                                                                    |     |     |     |                                             |     |     |     |
| <b>Recommended semester:</b> 3.                                                                                                                                                |     |     |     |                                             |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                             |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                             |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                             |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                             |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                             |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                             |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                             |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                             |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1                                                                                                        |     |     |     |                                             |     |     |     |
| A                                                                                                                                                                              | B   | C   | D   | E                                           | FX  | N   | P   |
| 100,0                                                                                                                                                                          | 0,0 | 0,0 | 0,0 | 0,0                                         | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Ivan Černušák, DrSc., doc. Mgr. Michal Pitoňák, PhD.                                                                                             |     |     |     |                                             |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                             |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                             |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                |     |     |     |                                     |     |     |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                     |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-118/12                                                                                                                               |     |     |     | <b>Course title:</b><br>Citácie SCI |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                     |     |     |       |
| <b>Number of credits:</b> 4                                                                                                                                                    |     |     |     |                                     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |     |                                     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1                                                                                                        |     |     |     |                                     |     |     |       |
| A                                                                                                                                                                              | B   | C   | D   | E                                   | FX  | N   | P     |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0 | 0,0                                 | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |     |                                     |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                     |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                     |     |     |       |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|----------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                        |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                        |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-116/12                                                                                                                               |     |     |     | <b>Course title:</b><br>Citácie domáce |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                        |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                    |     |     |     |                                        |     |     |     |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |     |                                        |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                        |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                        |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                        |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                        |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                        |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                        |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                        |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                        |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |     |     |     |                                        |     |     |     |
| A                                                                                                                                                                              | B   | C   | D   | E                                      | FX  | N   | P   |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0 | 0,0                                    | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |     |                                        |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                        |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                        |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|--------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                            |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                            |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-117/12                                                                                                                               |     |     |     | <b>Course title:</b><br>Citácie zahraničné |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                            |     |     |     |
| <b>Number of credits:</b> 3                                                                                                                                                    |     |     |     |                                            |     |     |     |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |     |                                            |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                            |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                            |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                            |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                            |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                            |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                            |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                            |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                            |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |     |     |     |                                            |     |     |     |
| A                                                                                                                                                                              | B   | C   | D   | E                                          | FX  | N   | P   |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0 | 0,0                                        | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |     |                                            |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                            |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                            |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                |     |     |     |                                                                                 |     |     |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|---------------------------------------------------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                                                                 |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                                                                 |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-111/12                                                                                                                               |     |     |     | <b>Course title:</b><br>Co-researcher of supervisor's project or other projects |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                                                                 |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                    |     |     |     |                                                                                 |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |     |                                                                                 |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                                                                 |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                                                                 |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                                                                 |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                                                                 |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                                                                 |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                                                                 |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                                                                 |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                                                                 |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 11                                                                                                       |     |     |     |                                                                                 |     |     |       |
| A                                                                                                                                                                              | B   | C   | D   | E                                                                               | FX  | N   | P     |
| 18,18                                                                                                                                                                          | 0,0 | 0,0 | 0,0 | 0,0                                                                             | 0,0 | 0,0 | 81,82 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |     |                                                                                 |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                                                                 |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                                                                 |     |     |       |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                                                      |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                                      |     |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-109/12                                                                                                                               |     |     | <b>Course title:</b><br>Comenius University grant for young scientific researchers or its equivalent |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                                                      |     |     |     |       |
| <b>Number of credits:</b> 12                                                                                                                                                   |     |     |                                                                                                      |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                                      |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                                      |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                                      |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                                      |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                                      |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                                      |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                                      |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                                      |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                                      |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 42                                                                                                       |     |     |                                                                                                      |     |     |     |       |
| A                                                                                                                                                                              | B   | C   | D                                                                                                    | E   | FX  | N   | P     |
| 4,76                                                                                                                                                                           | 0,0 | 0,0 | 0,0                                                                                                  | 0,0 | 0,0 | 0,0 | 95,24 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |                                                                                                      |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                                      |     |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                                                      |     |     |     |       |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|----------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                              |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                              |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/N-DCTP-012/15                                                                                                                                  |     |     |     | <b>Course title:</b><br>Computer simulations |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                              |     |     |     |
| <b>Number of credits:</b> 3                                                                                                                                                    |     |     |     |                                              |     |     |     |
| <b>Recommended semester:</b> 4.                                                                                                                                                |     |     |     |                                              |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                              |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                              |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                              |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                              |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                              |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                              |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                              |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                              |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |     |     |     |                                              |     |     |     |
| A                                                                                                                                                                              | B   | C   | D   | E                                            | FX  | N   | P   |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0 | 0,0                                          | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. Ing. Tomáš Bučko, PhD.                                                                                                                                  |     |     |     |                                              |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                              |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                              |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|----------------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                                                      |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                                                      |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-131/12                                                                                                                               |     |     |     | <b>Course title:</b><br>Copyright certificates, patents and findings |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                                                      |     |     |     |
| <b>Number of credits:</b> 10                                                                                                                                                   |     |     |     |                                                                      |     |     |     |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |     |                                                                      |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                                                      |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                                                      |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                                                      |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                                                      |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                                                      |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                                                      |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                                                      |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                                                      |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |     |     |     |                                                                      |     |     |     |
| A                                                                                                                                                                              | B   | C   | D   | E                                                                    | FX  | N   | P   |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0 | 0,0                                                                  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |     |                                                                      |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                                                      |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                                                      |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|----------------------------------------|-----|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                  |     |     |                                        |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                           |     |     |                                        |     |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-001/12                                                                                                                                      |     |     | <b>Course title:</b><br>Dissertation 1 |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                        |     |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                           |     |     |                                        |     |     |     |       |
| <b>Recommended semester:</b> 1.                                                                                                                                                       |     |     |                                        |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                        |     |     |                                        |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                                 |     |     |                                        |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                           |     |     |                                        |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                             |     |     |                                        |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                                |     |     |                                        |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                        |     |     |                                        |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                    |     |     |                                        |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                         |     |     |                                        |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 32                                                                                                              |     |     |                                        |     |     |     |       |
| A                                                                                                                                                                                     | B   | C   | D                                      | E   | FX  | N   | P     |
| 53,13                                                                                                                                                                                 | 0,0 | 0,0 | 0,0                                    | 0,0 | 0,0 | 0,0 | 46,88 |
| <b>Lecturers:</b> prof. RNDr. Ivan Černušák, DrSc., prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Juraj Bujdák, DrSc., doc. Ing. Marián Janek, PhD.                                  |     |     |                                        |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                                   |     |     |                                        |     |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                  |     |     |                                        |     |     |     |       |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|----------------------------------------|-----|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                  |      |     |                                        |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                           |      |     |                                        |     |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-002/12                                                                                                                                      |      |     | <b>Course title:</b><br>Dissertation 2 |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b><br><b>Form of the course:</b> on-site learning |      |     |                                        |     |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                           |      |     |                                        |     |     |     |       |
| <b>Recommended semester:</b> 2.                                                                                                                                                       |      |     |                                        |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                        |      |     |                                        |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                                 |      |     |                                        |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                           |      |     |                                        |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                             |      |     |                                        |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                                |      |     |                                        |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                        |      |     |                                        |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                    |      |     |                                        |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                         |      |     |                                        |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 29                                                                                                              |      |     |                                        |     |     |     |       |
| A                                                                                                                                                                                     | B    | C   | D                                      | E   | FX  | N   | P     |
| 48,28                                                                                                                                                                                 | 3,45 | 0,0 | 0,0                                    | 0,0 | 0,0 | 0,0 | 48,28 |
| <b>Lecturers:</b> prof. RNDr. Ivan Černušák, DrSc., prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Juraj Bujdák, DrSc., doc. Ing. Marián Janek, PhD.                                  |      |     |                                        |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                                   |      |     |                                        |     |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                  |      |     |                                        |     |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                    |     |     |                                        |     |     |     |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|----------------------------------------|-----|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                               |     |     |                                        |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                        |     |     |                                        |     |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-003/12                                                                                                                                                                                                   |     |     | <b>Course title:</b><br>Dissertation 3 |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b><br><b>Form of the course:</b> on-site learning                                                              |     |     |                                        |     |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                                                                                        |     |     |                                        |     |     |     |       |
| <b>Recommended semester:</b> 3.                                                                                                                                                                                                                    |     |     |                                        |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                                                                                     |     |     |                                        |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                                                                                              |     |     |                                        |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                                                                                        |     |     |                                        |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                                                                                          |     |     |                                        |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                                                                                             |     |     |                                        |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                                                                                     |     |     |                                        |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                                 |     |     |                                        |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                                                                                      |     |     |                                        |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 29                                                                                                                                                                           |     |     |                                        |     |     |     |       |
| A                                                                                                                                                                                                                                                  | B   | C   | D                                      | E   | FX  | N   | P     |
| 55,17                                                                                                                                                                                                                                              | 0,0 | 0,0 | 0,0                                    | 0,0 | 0,0 | 0,0 | 44,83 |
| <b>Lecturers:</b> prof. RNDr. Ivan Černušák, DrSc., prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Juraj Bujdák, DrSc., doc. Ing. Marián Janek, PhD., prof. RNDr. Miroslav Urban, DrSc., doc. RNDr. Ivan Valent, CSc., doc. Ing. Dušan Velič, PhD. |     |     |                                        |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                                                                                                |     |     |                                        |     |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                                                                               |     |     |                                        |     |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                |     |     |     |                                        |     |     |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|----------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                        |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                        |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-004/12                                                                                                                               |     |     |     | <b>Course title:</b><br>Dissertation 4 |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                        |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                    |     |     |     |                                        |     |     |       |
| <b>Recommended semester:</b> 4.                                                                                                                                                |     |     |     |                                        |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                        |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                        |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                        |     |     |       |
| <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: 26                                                                                                       |     |     |     |                                        |     |     |       |
| A                                                                                                                                                                              | B   | C   | D   | E                                      | FX  | N   | P     |
| 11,54                                                                                                                                                                          | 0,0 | 0,0 | 0,0 | 0,0                                    | 0,0 | 0,0 | 88,46 |
| <b>Lecturers:</b> prof. RNDr. Ivan Černušák, DrSc., prof. RNDr. Vladimír Kellö, DrSc.                                                                                          |     |     |     |                                        |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                        |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                        |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                   |      |      |     |                                        |     |     |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-----|----------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                              |      |      |     |                                        |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                       |      |      |     |                                        |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-005/12                                                                                                                                  |      |      |     | <b>Course title:</b><br>Dissertation 5 |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning    |      |      |     |                                        |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                       |      |      |     |                                        |     |     |       |
| <b>Recommended semester:</b> 5.                                                                                                                                                   |      |      |     |                                        |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                    |      |      |     |                                        |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                             |      |      |     |                                        |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                       |      |      |     |                                        |     |     |       |
| <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: 28                                                                                                          |      |      |     |                                        |     |     |       |
| A                                                                                                                                                                                 | B    | C    | D   | E                                      | FX  | N   | P     |
| 10,71                                                                                                                                                                             | 3,57 | 3,57 | 0,0 | 0,0                                    | 0,0 | 0,0 | 82,14 |
| <b>Lecturers:</b> prof. RNDr. Ivan Černušák, DrSc., prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Juraj Bujdák, DrSc., doc. RNDr. Ivan Valent, CSc., doc. Ing. Dušan Velič, PhD. |      |      |     |                                        |     |     |       |
| <b>Last change:</b>                                                                                                                                                               |      |      |     |                                        |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                              |      |      |     |                                        |     |     |       |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|-----|----------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |      |     |     |                                        |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |      |     |     |                                        |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-006/12                                                                                                                               |      |     |     | <b>Course title:</b><br>Dissertation 6 |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |      |     |     |                                        |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                    |      |     |     |                                        |     |     |       |
| <b>Recommended semester:</b> 6.                                                                                                                                                |      |     |     |                                        |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |      |     |     |                                        |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |      |     |     |                                        |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |      |     |     |                                        |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |      |     |     |                                        |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |      |     |     |                                        |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |      |     |     |                                        |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |      |     |     |                                        |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |      |     |     |                                        |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 28                                                                                                       |      |     |     |                                        |     |     |       |
| A                                                                                                                                                                              | B    | C   | D   | E                                      | FX  | N   | P     |
| 14,29                                                                                                                                                                          | 3,57 | 0,0 | 0,0 | 0,0                                    | 0,0 | 0,0 | 82,14 |
| <b>Lecturers:</b> prof. RNDr. Ivan Černušák, DrSc., prof. RNDr. Vladimír Kellö, DrSc.                                                                                          |      |     |     |                                        |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |      |     |     |                                        |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |      |     |     |                                        |     |     |       |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|----------------------------------------|-----|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                  |     |     |                                        |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                           |     |     |                                        |     |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-007/12                                                                                                                                      |     |     | <b>Course title:</b><br>Dissertation 7 |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                        |     |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                           |     |     |                                        |     |     |     |       |
| <b>Recommended semester:</b> 7.                                                                                                                                                       |     |     |                                        |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                        |     |     |                                        |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                                 |     |     |                                        |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                           |     |     |                                        |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                             |     |     |                                        |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                                |     |     |                                        |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                        |     |     |                                        |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                    |     |     |                                        |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                         |     |     |                                        |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 31                                                                                                              |     |     |                                        |     |     |     |       |
| A                                                                                                                                                                                     | B   | C   | D                                      | E   | FX  | N   | P     |
| 9,68                                                                                                                                                                                  | 0,0 | 0,0 | 0,0                                    | 0,0 | 0,0 | 0,0 | 90,32 |
| <b>Lecturers:</b> prof. RNDr. Ivan Černušák, DrSc., doc. Ing. Dušan Velič, PhD., doc. Mgr. Michal Pitoňák, PhD., prof. RNDr. Vladimír Kellö, DrSc., doc. Mgr. Pavel Neogrady, DrSc.   |     |     |                                        |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                                   |     |     |                                        |     |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                  |     |     |                                        |     |     |     |       |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|----------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                              |     |     |     |                                        |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                       |     |     |     |                                        |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-024/12                                                                                                                                  |     |     |     | <b>Course title:</b><br>Dissertation 8 |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:    per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                        |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                       |     |     |     |                                        |     |     |       |
| <b>Recommended semester:</b> 8.                                                                                                                                                   |     |     |     |                                        |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                    |     |     |     |                                        |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                             |     |     |     |                                        |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                       |     |     |     |                                        |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                         |     |     |     |                                        |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                            |     |     |     |                                        |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                    |     |     |     |                                        |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                |     |     |     |                                        |     |     |       |
| <b>Notes:</b>                                                                                                                                                                     |     |     |     |                                        |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1                                                                                                           |     |     |     |                                        |     |     |       |
| A                                                                                                                                                                                 | B   | C   | D   | E                                      | FX  | N   | P     |
| 0,0                                                                                                                                                                               | 0,0 | 0,0 | 0,0 | 0,0                                    | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b>                                                                                                                                                                 |     |     |     |                                        |     |     |       |
| <b>Last change:</b>                                                                                                                                                               |     |     |     |                                        |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                              |     |     |     |                                        |     |     |       |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|----------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                        |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                        |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-025/12                                                                                                                               |     |     |     | <b>Course title:</b><br>Dissertation 9 |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                        |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                    |     |     |     |                                        |     |     |       |
| <b>Recommended semester:</b> 9.                                                                                                                                                |     |     |     |                                        |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                        |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                        |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                        |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                        |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                        |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                        |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                        |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                        |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1                                                                                                        |     |     |     |                                        |     |     |       |
| A                                                                                                                                                                              | B   | C   | D   | E                                      | FX  | N   | P     |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0 | 0,0                                    | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |     |                                        |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                        |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                        |     |     |       |

## COURSE DESCRIPTION

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|----------------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                            |     |     |     |                                              |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                     |     |     |     |                                              |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-208/12                                                                                                                                                                                                |     |     |     | <b>Course title:</b><br>Doktorandský seminár |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                                                  |     |     |     |                                              |     |     |       |
| <b>Number of credits:</b> 4                                                                                                                                                                                                                     |     |     |     |                                              |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                                                                                    |     |     |     |                                              |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                                                                                  |     |     |     |                                              |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                                                                                           |     |     |     |                                              |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                                                                                     |     |     |     |                                              |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                                                                                       |     |     |     |                                              |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                                                                                          |     |     |     |                                              |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                                                                                  |     |     |     |                                              |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                              |     |     |     |                                              |     |     |       |
| <b>Notes:</b>                                                                                                                                                                                                                                   |     |     |     |                                              |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 3                                                                                                                                                                         |     |     |     |                                              |     |     |       |
| A                                                                                                                                                                                                                                               | B   | C   | D   | E                                            | FX  | N   | P     |
| 0,0                                                                                                                                                                                                                                             | 0,0 | 0,0 | 0,0 | 0,0                                          | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b> prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Jozef Noga, DrSc., prof. RNDr. Juraj Bujdák, DrSc., doc. Ing. Marián Janek, PhD., prof. RNDr. Miroslav Urban, DrSc., doc. RNDr. Ivan Valent, CSc., doc. Ing. Dušan Velič, PhD. |     |     |     |                                              |     |     |       |
| <b>Last change:</b>                                                                                                                                                                                                                             |     |     |     |                                              |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                                                                            |     |     |     |                                              |     |     |       |

## STATE EXAM DESCRIPTION

|                                                      |                                                                 |
|------------------------------------------------------|-----------------------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava |                                                                 |
| <b>Faculty:</b> Faculty of Natural Sciences          |                                                                 |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DCTP-306/12     | <b>Course title:</b><br>Formal interview on dissertation thesis |
| <b>Number of credits:</b> 9                          |                                                                 |
| <b>Educational level:</b> III.                       |                                                                 |
| <b>State exam syllabus:</b>                          |                                                                 |
| <b>Last change:</b>                                  |                                                                 |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc. |                                                                 |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                                                                                                |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                                                                                |     |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-110/12                                                                                                                               |     |     | <b>Course title:</b><br>Grant from the Faculty of Natural Sciences for doctoral students,<br>Grant from the SAS or any equivalent of these two |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                                                                                                |     |     |     |       |
| <b>Number of credits:</b> 8                                                                                                                                                    |     |     |                                                                                                                                                |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                                                                                |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                                                                                |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                                                                                |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                                                                                |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                                                                                |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                                                                                |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                                                                                |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                                                                                |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                                                                                |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 3                                                                                                        |     |     |                                                                                                                                                |     |     |     |       |
| A                                                                                                                                                                              | B   | C   | D                                                                                                                                              | E   | FX  | N   | P     |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                                                                                                            | 0,0 | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |                                                                                                                                                |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                                                                                |     |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                                                                                                |     |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                |     |     |     |                                                   |     |     |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|---------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                                   |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                                   |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/N-DCTP-009/15                                                                                                                                  |     |     |     | <b>Course title:</b><br>Group Theory in 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> 3                                                                                                                                                    |     |     |     |                                                   |     |     |     |
| <b>Recommended semester:</b> 1.                                                                                                                                                |     |     |     |                                                   |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                                   |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                                   |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                                   |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                                   |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                                   |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                                   |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                                   |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                                   |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1                                                                                                        |     |     |     |                                                   |     |     |     |
| A                                                                                                                                                                              | B   | C   | D   | E                                                 | FX  | N   | P   |
| 100,0                                                                                                                                                                          | 0,0 | 0,0 | 0,0 | 0,0                                               | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Vladimír Kellö, DrSc., doc. Mgr. Pavel Neogrady, DrSc.                                                                                           |     |     |     |                                                   |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                                   |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                                   |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                                                           |     |     |     |                                           |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                    |     |     |     |                                           |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-210/12                                                                                                                                                                                                                               |     |     |     | <b>Course title:</b><br>Internship abroad |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                                                                                 |     |     |     |                                           |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                                                                                                                    |     |     |     |                                           |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                                                                                                                   |     |     |     |                                           |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                                                                                                                 |     |     |     |                                           |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                          |     |     |     |                                           |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                                                                                                                    |     |     |     |                                           |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                                                                                                                      |     |     |     |                                           |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                                                                                                                         |     |     |     |                                           |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                                                                                                                 |     |     |     |                                           |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                                                             |     |     |     |                                           |     |     |       |
| <b>Notes:</b>                                                                                                                                                                                                                                                                  |     |     |     |                                           |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 8                                                                                                                                                                                                        |     |     |     |                                           |     |     |       |
| A                                                                                                                                                                                                                                                                              | B   | C   | D   | E                                         | FX  | N   | P     |
| 0,0                                                                                                                                                                                                                                                                            | 0,0 | 0,0 | 0,0 | 0,0                                       | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b> prof. RNDr. Jozef Noga, DrSc., prof. RNDr. Ivan Černušák, DrSc., doc. Mgr. Michal Pitoňák, PhD., prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Juraj Bujdák, DrSc., doc. Ing. Marián Janek, PhD., doc. RNDr. Ivan Valent, CSc., doc. Ing. Dušan Velič, PhD. |     |     |     |                                           |     |     |       |
| <b>Last change:</b>                                                                                                                                                                                                                                                            |     |     |     |                                           |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                                                                                                           |     |     |     |                                           |     |     |       |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------------------------------------------|-----|-----|------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                           |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                           |     |     |      |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-213/12                                                                                                                               |     |     |     | <b>Course title:</b><br>Internship abroad |     |     |      |
| <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> 7                                                                                                                                                    |     |     |     |                                           |     |     |      |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |     |                                           |     |     |      |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                           |     |     |      |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                           |     |     |      |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                           |     |     |      |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                           |     |     |      |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                           |     |     |      |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                           |     |     |      |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                           |     |     |      |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                           |     |     |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 20                                                                                                       |     |     |     |                                           |     |     |      |
| A                                                                                                                                                                              | B   | C   | D   | E                                         | FX  | N   | P    |
| 5,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0 | 0,0                                       | 0,0 | 0,0 | 95,0 |
| <b>Lecturers:</b> prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Jozef Noga, DrSc., doc. RNDr. Ivan Valent, CSc.                                                               |     |     |     |                                           |     |     |      |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                           |     |     |      |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                           |     |     |      |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|---------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                   |     |     |                                                                           |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                            |     |     |                                                                           |     |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/N-DCTP-001/09                                                                                                                                                                          |     |     | <b>Course title:</b><br>Modern copmutational methods of quantum chemistry |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b><br><b>Form of the course:</b> on-site learning                                  |     |     |                                                                           |     |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                                                            |     |     |                                                                           |     |     |     |       |
| <b>Recommended semester:</b> 1.                                                                                                                                                                                        |     |     |                                                                           |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                                                         |     |     |                                                                           |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                                                                  |     |     |                                                                           |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                                                            |     |     |                                                                           |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                                                              |     |     |                                                                           |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                                                                 |     |     |                                                                           |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                                                         |     |     |                                                                           |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                     |     |     |                                                                           |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                                                          |     |     |                                                                           |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 9                                                                                                                                                |     |     |                                                                           |     |     |     |       |
| A                                                                                                                                                                                                                      | B   | C   | D                                                                         | E   | FX  | N   | P     |
| 33,33                                                                                                                                                                                                                  | 0,0 | 0,0 | 0,0                                                                       | 0,0 | 0,0 | 0,0 | 66,67 |
| <b>Lecturers:</b> prof. RNDr. Ivan Černušák, DrSc., doc. Ing. Tomáš Bučko, PhD., prof. RNDr. Vladimír Kellö, DrSc., doc. Mgr. Pavel Neogrády, DrSc., doc. Mgr. Michal Pitoňák, PhD., prof. RNDr. Miroslav Urban, DrSc. |     |     |                                                                           |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                                                                    |     |     |                                                                           |     |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                                                   |     |     |                                                                           |     |     |     |       |

## STATE EXAM DESCRIPTION

|                                                      |                                                                           |
|------------------------------------------------------|---------------------------------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava |                                                                           |
| <b>Faculty:</b> Faculty of Natural Sciences          |                                                                           |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DCTP-303/12     | <b>Course title:</b><br>Modern computational methods of quantum chemistry |
| <b>Number of credits:</b> 3                          |                                                                           |
| <b>Educational level:</b> III.                       |                                                                           |
| <b>State exam syllabus:</b>                          |                                                                           |
| <b>Last change:</b>                                  |                                                                           |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc. |                                                                           |

## STATE EXAM DESCRIPTION

|                                                      |                                                             |
|------------------------------------------------------|-------------------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava |                                                             |
| <b>Faculty:</b> Faculty of Natural Sciences          |                                                             |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-302/12     | <b>Course title:</b><br>Oral defence of dissertation thesis |
| <b>Number of credits:</b> 25                         |                                                             |
| <b>Educational level:</b> III.                       |                                                             |
| <b>State exam syllabus:</b>                          |                                                             |
| <b>Last change:</b>                                  |                                                             |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc. |                                                             |

## COURSE DESCRIPTION

|                                                                                                                                                                                |     |     |                                                                               |     |     |     |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-------------------------------------------------------------------------------|-----|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                               |     |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                               |     |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-031/15                                                                                                                               |     |     | <b>Course title:</b><br>Oral defence of dissertation thesis (Dissertation 10) |     |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                               |     |     |     |     |
| <b>Number of credits:</b> 5                                                                                                                                                    |     |     |                                                                               |     |     |     |     |
| <b>Recommended semester:</b> 9., 10..                                                                                                                                          |     |     |                                                                               |     |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                               |     |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                               |     |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                               |     |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                               |     |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                               |     |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                               |     |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                               |     |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                               |     |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |     |     |                                                                               |     |     |     |     |
| A                                                                                                                                                                              | B   | C   | D                                                                             | E   | FX  | N   | P   |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                                           | 0,0 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                             |     |     |                                                                               |     |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                               |     |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                               |     |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|------------------------------------------------------------|-----|-----|------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                                            |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                                            |     |     |      |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-113/12                                                                                                                               |     |     |     | <b>Course title:</b><br>Osvojenie experimentálnej metodiky |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                                            |     |     |      |
| <b>Number of credits:</b> 5                                                                                                                                                    |     |     |     |                                                            |     |     |      |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |     |                                                            |     |     |      |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                                            |     |     |      |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                                            |     |     |      |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                                            |     |     |      |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                                            |     |     |      |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                                            |     |     |      |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                                            |     |     |      |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                                            |     |     |      |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                                            |     |     |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 2                                                                                                        |     |     |     |                                                            |     |     |      |
| A                                                                                                                                                                              | B   | C   | D   | E                                                          | FX  | N   | P    |
| 50,0                                                                                                                                                                           | 0,0 | 0,0 | 0,0 | 0,0                                                        | 0,0 | 0,0 | 50,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |     |                                                            |     |     |      |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                                            |     |     |      |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                                            |     |     |      |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|-----|------------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                            |      |     |     |                                          |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                     |      |     |     |                                          |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-119/12                                                                                                                                                                |      |     |     | <b>Course title:</b><br>Other activities |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                  |      |     |     |                                          |     |     |       |
| <b>Number of credits:</b> 1                                                                                                                                                                                     |      |     |     |                                          |     |     |       |
| <b>Recommended semester:</b> 1., 2., 3., 4..                                                                                                                                                                    |      |     |     |                                          |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                                                  |      |     |     |                                          |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                                                           |      |     |     |                                          |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                                                     |      |     |     |                                          |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                                                       |      |     |     |                                          |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                                                          |      |     |     |                                          |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                                                  |      |     |     |                                          |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                              |      |     |     |                                          |     |     |       |
| <b>Notes:</b>                                                                                                                                                                                                   |      |     |     |                                          |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 45                                                                                                                                        |      |     |     |                                          |     |     |       |
| A                                                                                                                                                                                                               | B    | C   | D   | E                                        | FX  | N   | P     |
| 4,44                                                                                                                                                                                                            | 2,22 | 0,0 | 0,0 | 0,0                                      | 0,0 | 0,0 | 93,33 |
| <b>Lecturers:</b> prof. RNDr. Juraj Bujdák, DrSc., doc. Ing. Marián Janek, PhD., prof. RNDr. Miroslav Urban, DrSc., doc. RNDr. Ivan Valent, CSc., doc. Ing. Dušan Velič, PhD., prof. RNDr. Ivan Černušák, DrSc. |      |     |     |                                          |     |     |       |
| <b>Last change:</b>                                                                                                                                                                                             |      |     |     |                                          |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                                            |      |     |     |                                          |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                |     |     |     |                                                                        |     |     |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|------------------------------------------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                                                        |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                                                        |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-108/12                                                                                                                               |     |     |     | <b>Course title:</b><br>Participation on Student Scientific Conference |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                                                        |     |     |       |
| <b>Number of credits:</b> 6                                                                                                                                                    |     |     |     |                                                                        |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |     |                                                                        |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                                                        |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                                                        |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                                                        |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                                                        |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                                                        |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                                                        |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                                                        |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                                                        |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 7                                                                                                        |     |     |     |                                                                        |     |     |       |
| A                                                                                                                                                                              | B   | C   | D   | E                                                                      | FX  | N   | P     |
| 14,29                                                                                                                                                                          | 0,0 | 0,0 | 0,0 | 0,0                                                                    | 0,0 | 0,0 | 85,71 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |     |                                                                        |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                                                        |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                                                        |     |     |       |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                              |     |     |     |                                                     |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                       |     |     |     |                                                     |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-114/12                                                                                                                                  |     |     |     | <b>Course title:</b><br>Patenty, vynálezy, software |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:    per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                                     |     |     |     |
| <b>Number of credits:</b> 6                                                                                                                                                       |     |     |     |                                                     |     |     |     |
| <b>Recommended semester:</b>                                                                                                                                                      |     |     |     |                                                     |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                    |     |     |     |                                                     |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                             |     |     |     |                                                     |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                       |     |     |     |                                                     |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                         |     |     |     |                                                     |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                            |     |     |     |                                                     |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                    |     |     |     |                                                     |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                |     |     |     |                                                     |     |     |     |
| <b>Notes:</b>                                                                                                                                                                     |     |     |     |                                                     |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                           |     |     |     |                                                     |     |     |     |
| A                                                                                                                                                                                 | B   | C   | D   | E                                                   | FX  | N   | P   |
| 0,0                                                                                                                                                                               | 0,0 | 0,0 | 0,0 | 0,0                                                 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                                 |     |     |     |                                                     |     |     |     |
| <b>Last change:</b>                                                                                                                                                               |     |     |     |                                                     |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                              |     |     |     |                                                     |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------------------------------------------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                                                         |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                                                         |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-115/12                                                                                                                               |     |     |     | <b>Course title:</b><br>Prednáška na odbor. seminári v rámci pracoviska |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                                                         |     |     |       |
| <b>Number of credits:</b> 3                                                                                                                                                    |     |     |     |                                                                         |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |     |                                                                         |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                                                         |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                                                         |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                                                         |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                                                         |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                                                         |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                                                         |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                                                         |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                                                         |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 3                                                                                                        |     |     |     |                                                                         |     |     |       |
| A                                                                                                                                                                              | B   | C   | D   | E                                                                       | FX  | N   | P     |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0 | 0,0                                                                     | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |     |                                                                         |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                                                         |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                                                         |     |     |       |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|-----|---------------------------------------------------------|-----|------|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |      |     |     |                                                         |     |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                       |      |     |     |                                                         |     |      |       |
| <b>Course ID:</b><br>PriF.KJ/N-DSSZ-018/13                                                                                                                                                        |      |     |     | <b>Course title:</b><br>Professional Oral Communication |     |      |       |
| <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, distance learning |      |     |     |                                                         |     |      |       |
| <b>Number of credits:</b> 3                                                                                                                                                                       |      |     |     |                                                         |     |      |       |
| <b>Recommended semester:</b> 1., 3.                                                                                                                                                               |      |     |     |                                                         |     |      |       |
| <b>Educational level:</b> III.                                                                                                                                                                    |      |     |     |                                                         |     |      |       |
| <b>Prerequisites:</b>                                                                                                                                                                             |      |     |     |                                                         |     |      |       |
| <b>Course requirements:</b>                                                                                                                                                                       |      |     |     |                                                         |     |      |       |
| <b>Learning outcomes:</b>                                                                                                                                                                         |      |     |     |                                                         |     |      |       |
| <b>Class syllabus:</b>                                                                                                                                                                            |      |     |     |                                                         |     |      |       |
| <b>Recommended literature:</b>                                                                                                                                                                    |      |     |     |                                                         |     |      |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                |      |     |     |                                                         |     |      |       |
| <b>Notes:</b>                                                                                                                                                                                     |      |     |     |                                                         |     |      |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 217                                                                                                                         |      |     |     |                                                         |     |      |       |
| A                                                                                                                                                                                                 | B    | C   | D   | E                                                       | FX  | N    | P     |
| 69,12                                                                                                                                                                                             | 2,76 | 0,0 | 0,0 | 0,0                                                     | 0,0 | 1,38 | 26,73 |
| <b>Lecturers:</b> PhDr. Štefánia Dugovičová, PhD., Michael Jerry Sabo                                                                                                                             |      |     |     |                                                         |     |      |       |
| <b>Last change:</b>                                                                                                                                                                               |      |     |     |                                                         |     |      |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                              |      |     |     |                                                         |     |      |       |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|---------------------------------------------------------|------|------|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |     |     |                                                         |      |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                       |     |     |     |                                                         |      |      |       |
| <b>Course ID:</b><br>PriF.KJ/N-DSSZ-019/13                                                                                                                                                        |     |     |     | <b>Course title:</b><br>Professional Oral Communication |      |      |       |
| <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, distance learning |     |     |     |                                                         |      |      |       |
| <b>Number of credits:</b> 3                                                                                                                                                                       |     |     |     |                                                         |      |      |       |
| <b>Recommended semester:</b> 2., 4.                                                                                                                                                               |     |     |     |                                                         |      |      |       |
| <b>Educational level:</b> III.                                                                                                                                                                    |     |     |     |                                                         |      |      |       |
| <b>Prerequisites:</b>                                                                                                                                                                             |     |     |     |                                                         |      |      |       |
| <b>Course requirements:</b>                                                                                                                                                                       |     |     |     |                                                         |      |      |       |
| <b>Learning outcomes:</b>                                                                                                                                                                         |     |     |     |                                                         |      |      |       |
| <b>Class syllabus:</b>                                                                                                                                                                            |     |     |     |                                                         |      |      |       |
| <b>Recommended literature:</b>                                                                                                                                                                    |     |     |     |                                                         |      |      |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                |     |     |     |                                                         |      |      |       |
| <b>Notes:</b>                                                                                                                                                                                     |     |     |     |                                                         |      |      |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 141                                                                                                                         |     |     |     |                                                         |      |      |       |
| A                                                                                                                                                                                                 | B   | C   | D   | E                                                       | FX   | N    | P     |
| 63,83                                                                                                                                                                                             | 0,0 | 0,0 | 0,0 | 0,0                                                     | 2,84 | 3,55 | 29,79 |
| <b>Lecturers:</b> PhDr. Štefánia Dugovičová, PhD., Michael Jerry Sabo                                                                                                                             |     |     |     |                                                         |      |      |       |
| <b>Last change:</b>                                                                                                                                                                               |     |     |     |                                                         |      |      |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                              |     |     |     |                                                         |      |      |       |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|---------------------------------------------------------|-----|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                         |     |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                         |     |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-209/12                                                                                                                               |     |     | <b>Course title:</b><br>Príprava seminára pre študentov |     |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                         |     |     |     |     |
| <b>Number of credits:</b> 3                                                                                                                                                    |     |     |                                                         |     |     |     |     |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                         |     |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                         |     |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                         |     |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                         |     |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                         |     |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                         |     |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                         |     |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                         |     |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                         |     |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |     |     |                                                         |     |     |     |     |
| A                                                                                                                                                                              | B   | C   | D                                                       | E   | FX  | N   | P   |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                     | 0,0 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Jozef Noga, DrSc.                                                                                             |     |     |                                                         |     |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                         |     |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                         |     |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|--------------------------------------------------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                                                                |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                                                                |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-104/12                                                                                                                               |     |     |     | <b>Course title:</b><br>Publication in international peer-reviewed proceedings |     |     |       |
| <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> 18                                                                                                                                                   |     |     |     |                                                                                |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |     |                                                                                |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                                                                |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                                                                |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                                                                |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                                                                |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                                                                |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                                                                |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                                                                |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                                                                |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 3                                                                                                        |     |     |     |                                                                                |     |     |       |
| A                                                                                                                                                                              | B   | C   | D   | E                                                                              | FX  | N   | P     |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0 | 0,0                                                                            | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |     |                                                                                |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                                                                |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                                                                |     |     |       |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                                                       |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                                       |     |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-101/12                                                                                                                               |     |     | <b>Course title:</b><br>Publication in national and international Current Contents scientific journal |     |     |     |       |
| <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> 28                                                                                                                                                   |     |     |                                                                                                       |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                                       |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                                       |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                                       |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                                       |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                                       |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                                       |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                                       |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                                       |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                                       |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 10                                                                                                       |     |     |                                                                                                       |     |     |     |       |
| A                                                                                                                                                                              | B   | C   | D                                                                                                     | E   | FX  | N   | P     |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                                                                   | 0,0 | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |                                                                                                       |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                                       |     |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                                                       |     |     |     |       |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|----------------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                                  |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                  |     |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-103/12                                                                                                                               |     |     | <b>Course title:</b><br>Publication in national peer-reviewed scientific journal |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                                  |     |     |     |       |
| <b>Number of credits:</b> 20                                                                                                                                                   |     |     |                                                                                  |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                  |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                  |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                  |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                  |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                  |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                  |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                  |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                  |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                  |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1                                                                                                        |     |     |                                                                                  |     |     |     |       |
| A                                                                                                                                                                              | B   | C   | D                                                                                | E   | FX  | N   | P     |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                                              | 0,0 | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |                                                                                  |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                  |     |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                                  |     |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                |     |     |     |                                                                    |     |     |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|--------------------------------------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                                                    |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                                                    |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-105/12                                                                                                                               |     |     |     | <b>Course title:</b><br>Publikácia v domácom recenzovanom zborníku |     |     |       |
| <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> 14                                                                                                                                                   |     |     |     |                                                                    |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |     |                                                                    |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                                                    |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                                                    |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                                                    |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                                                    |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                                                    |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                                                    |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                                                    |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                                                    |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1                                                                                                        |     |     |     |                                                                    |     |     |       |
| A                                                                                                                                                                              | B   | C   | D   | E                                                                  | FX  | N   | P     |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0 | 0,0                                                                | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |     |                                                                    |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                                                    |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                                                    |     |     |       |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|---------------------------------------------------------------------------------|-----|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                                 |     |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                 |     |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-102/12                                                                                                                               |     |     | <b>Course title:</b><br>Publikácia v zahraničnom recenzovanom vedeckom časopise |     |     |     |     |
| <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> 24                                                                                                                                                   |     |     |                                                                                 |     |     |     |     |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                 |     |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                 |     |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                 |     |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                 |     |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                 |     |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                 |     |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                 |     |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                 |     |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                 |     |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |     |     |                                                                                 |     |     |     |     |
| A                                                                                                                                                                              | B   | C   | D                                                                               | E   | FX  | N   | P   |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                                             | 0,0 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |                                                                                 |     |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                 |     |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                                 |     |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                                           |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                                           |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/N-DCTP-010/15                                                                                                                                  |     |     |     | <b>Course title:</b><br>Relativistic effects in 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> 3                                                                                                                                                    |     |     |     |                                                           |     |     |     |
| <b>Recommended semester:</b> 2.                                                                                                                                                |     |     |     |                                                           |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                                           |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                                           |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                                           |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                                           |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                                           |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                                           |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                                           |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                                           |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |     |     |     |                                                           |     |     |     |
| A                                                                                                                                                                              | B   | C   | D   | E                                                         | FX  | N   | P   |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0 | 0,0                                                       | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Miroslav Urban, DrSc.                                                                                         |     |     |     |                                                           |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                                           |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                                           |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|--------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                                                  |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                                  |     |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-206/12                                                                                                                               |     |     | <b>Course title:</b><br>Review of Bachelor's work ( qualifying thesis for the Bachelor's degree) |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                                                  |     |     |     |       |
| <b>Number of credits:</b> 2                                                                                                                                                    |     |     |                                                                                                  |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                                  |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                                  |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                                  |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                                  |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                                  |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                                  |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                                  |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                                  |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                                  |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 2                                                                                                        |     |     |                                                                                                  |     |     |     |       |
| A                                                                                                                                                                              | B   | C   | D                                                                                                | E   | FX  | N   | P     |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                                                              | 0,0 | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b> prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Jozef Noga, DrSc.                                                                                             |     |     |                                                                                                  |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                                  |     |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                                                  |     |     |     |       |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|------|--------------------------------------------|------|------|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |       |       |      |                                            |      |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                       |       |       |      |                                            |      |      |       |
| <b>Course ID:</b><br>PriF.KJ/N-DSSZ-016/12                                                                                                                                                        |       |       |      | <b>Course title:</b><br>Scientific English |      |      |       |
| <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, distance learning |       |       |      |                                            |      |      |       |
| <b>Number of credits:</b> 5                                                                                                                                                                       |       |       |      |                                            |      |      |       |
| <b>Recommended semester:</b>                                                                                                                                                                      |       |       |      |                                            |      |      |       |
| <b>Educational level:</b> III.                                                                                                                                                                    |       |       |      |                                            |      |      |       |
| <b>Prerequisites:</b>                                                                                                                                                                             |       |       |      |                                            |      |      |       |
| <b>Course requirements:</b>                                                                                                                                                                       |       |       |      |                                            |      |      |       |
| <b>Learning outcomes:</b>                                                                                                                                                                         |       |       |      |                                            |      |      |       |
| <b>Class syllabus:</b>                                                                                                                                                                            |       |       |      |                                            |      |      |       |
| <b>Recommended literature:</b>                                                                                                                                                                    |       |       |      |                                            |      |      |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                |       |       |      |                                            |      |      |       |
| <b>Notes:</b>                                                                                                                                                                                     |       |       |      |                                            |      |      |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 751                                                                                                                         |       |       |      |                                            |      |      |       |
| A                                                                                                                                                                                                 | B     | C     | D    | E                                          | FX   | N    | P     |
| 11,98                                                                                                                                                                                             | 15,18 | 13,05 | 4,26 | 0,13                                       | 3,46 | 2,66 | 49,27 |
| <b>Lecturers:</b>                                                                                                                                                                                 |       |       |      |                                            |      |      |       |
| <b>Last change:</b>                                                                                                                                                                               |       |       |      |                                            |      |      |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                              |       |       |      |                                            |      |      |       |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|--------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |     |     |                                                              |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                       |     |     |     |                                                              |     |     |     |
| <b>Course ID:</b><br>PriF.KJ/N-DSSZ-020/17                                                                                                                                                        |     |     |     | <b>Course title:</b><br>Slovak for foreign doctoral students |     |     |     |
| <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, distance learning |     |     |     |                                                              |     |     |     |
| <b>Number of credits:</b> 3                                                                                                                                                                       |     |     |     |                                                              |     |     |     |
| <b>Recommended semester:</b> 1., 3.                                                                                                                                                               |     |     |     |                                                              |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                                    |     |     |     |                                                              |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                             |     |     |     |                                                              |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                       |     |     |     |                                                              |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                         |     |     |     |                                                              |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                            |     |     |     |                                                              |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                    |     |     |     |                                                              |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                |     |     |     |                                                              |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                     |     |     |     |                                                              |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 13                                                                                                                          |     |     |     |                                                              |     |     |     |
| A                                                                                                                                                                                                 | B   | C   | D   | E                                                            | FX  | N   | P   |
| 100,0                                                                                                                                                                                             | 0,0 | 0,0 | 0,0 | 0,0                                                          | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Karin Rózsová Wolfová                                                                                                                                                      |     |     |     |                                                              |     |     |     |
| <b>Last change:</b>                                                                                                                                                                               |     |     |     |                                                              |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                              |     |     |     |                                                              |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|--------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |     |     |                                                              |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                       |     |     |     |                                                              |     |     |     |
| <b>Course ID:</b><br>PriF.KJ/N-DSSZ-021/17                                                                                                                                                        |     |     |     | <b>Course title:</b><br>Slovak for foreign doctoral students |     |     |     |
| <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, distance learning |     |     |     |                                                              |     |     |     |
| <b>Number of credits:</b> 3                                                                                                                                                                       |     |     |     |                                                              |     |     |     |
| <b>Recommended semester:</b> 2., 4.                                                                                                                                                               |     |     |     |                                                              |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                                    |     |     |     |                                                              |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                             |     |     |     |                                                              |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                       |     |     |     |                                                              |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                         |     |     |     |                                                              |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                            |     |     |     |                                                              |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                    |     |     |     |                                                              |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                |     |     |     |                                                              |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                     |     |     |     |                                                              |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 10                                                                                                                          |     |     |     |                                                              |     |     |     |
| A                                                                                                                                                                                                 | B   | C   | D   | E                                                            | FX  | N   | P   |
| 100,0                                                                                                                                                                                             | 0,0 | 0,0 | 0,0 | 0,0                                                          | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Karin Rózsová Wolfová                                                                                                                                                      |     |     |     |                                                              |     |     |     |
| <b>Last change:</b>                                                                                                                                                                               |     |     |     |                                                              |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                              |     |     |     |                                                              |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                         |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                         |     |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-203/12                                                                                                                               |     |     | <b>Course title:</b><br>Spolupráca pri tvorbe učebných textov a pomôcok |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                         |     |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                    |     |     |                                                                         |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                         |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                         |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                         |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                         |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                         |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                         |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                         |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                         |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                         |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1                                                                                                        |     |     |                                                                         |     |     |     |       |
| A                                                                                                                                                                              | B   | C   | D                                                                       | E   | FX  | N   | P     |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                                     | 0,0 | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b> prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Jozef Noga, DrSc.                                                                                             |     |     |                                                                         |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                         |     |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                         |     |     |     |       |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                                                       |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                                       |     |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-205/12                                                                                                                               |     |     | <b>Course title:</b><br>Supervision of Bachelor's work ( qualifying thesis for the Bachelor's degree) |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                                                       |     |     |     |       |
| <b>Number of credits:</b> 6                                                                                                                                                    |     |     |                                                                                                       |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                                       |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                                       |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                                       |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                                       |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                                       |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                                       |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                                       |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                                       |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                                       |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 2                                                                                                        |     |     |                                                                                                       |     |     |     |       |
| A                                                                                                                                                                              | B   | C   | D                                                                                                     | E   | FX  | N   | P     |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                                                                   | 0,0 | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b> prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Jozef Noga, DrSc.                                                                                             |     |     |                                                                                                       |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                                       |     |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                                                       |     |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                |     |     |                                                                                                       |     |     |     |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |                                                                                                       |     |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |                                                                                                       |     |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-207/12                                                                                                                               |     |     | <b>Course title:</b><br>Supervision of student's participation in the Students' Scientific Conference |     |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |                                                                                                       |     |     |     |       |
| <b>Number of credits:</b> 4                                                                                                                                                    |     |     |                                                                                                       |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |                                                                                                       |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |                                                                                                       |     |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |                                                                                                       |     |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |                                                                                                       |     |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |                                                                                                       |     |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |                                                                                                       |     |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |                                                                                                       |     |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |                                                                                                       |     |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |                                                                                                       |     |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 3                                                                                                        |     |     |                                                                                                       |     |     |     |       |
| A                                                                                                                                                                              | B   | C   | D                                                                                                     | E   | FX  | N   | P     |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0                                                                                                   | 0,0 | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b> prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Jozef Noga, DrSc.                                                                                             |     |     |                                                                                                       |     |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |                                                                                                       |     |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |                                                                                                       |     |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                |     |     |     |                                                                       |     |     |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----------------------------------------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                                                       |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                                                       |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-201/12                                                                                                                               |     |     |     | <b>Course title:</b><br>The doctoral student's pedagogical activities |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |     |     |                                                                       |     |     |       |
| <b>Number of credits:</b> 3                                                                                                                                                    |     |     |     |                                                                       |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |     |                                                                       |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                                                       |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                                                       |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                                                       |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                                                       |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                                                       |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                                                       |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                                                       |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                                                       |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 30                                                                                                       |     |     |     |                                                                       |     |     |       |
| A                                                                                                                                                                              | B   | C   | D   | E                                                                     | FX  | N   | P     |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0 | 0,0                                                                   | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b> prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Jozef Noga, DrSc.                                                                                             |     |     |     |                                                                       |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                                                       |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                                                       |     |     |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                                                   |     |     |     |                                                                       |     |     |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----------------------------------------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                                                              |     |     |     |                                                                       |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                       |     |     |     |                                                                       |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-214/13                                                                                                                                                                                                                                  |     |     |     | <b>Course title:</b><br>The doctoral student's pedagogical activities |     |     |       |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                                                                                    |     |     |     |                                                                       |     |     |       |
| <b>Number of credits:</b> 2                                                                                                                                                                                                                                                       |     |     |     |                                                                       |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                                                                                                                      |     |     |     |                                                                       |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                                                                                                                    |     |     |     |                                                                       |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                             |     |     |     |                                                                       |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                                                                                                                       |     |     |     |                                                                       |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                                                                                                                         |     |     |     |                                                                       |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                                                                                                                            |     |     |     |                                                                       |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                                                                                                                    |     |     |     |                                                                       |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                                                                |     |     |     |                                                                       |     |     |       |
| <b>Notes:</b>                                                                                                                                                                                                                                                                     |     |     |     |                                                                       |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 72                                                                                                                                                                                                          |     |     |     |                                                                       |     |     |       |
| A                                                                                                                                                                                                                                                                                 | B   | C   | D   | E                                                                     | FX  | N   | P     |
| 11,11                                                                                                                                                                                                                                                                             | 0,0 | 0,0 | 0,0 | 0,0                                                                   | 0,0 | 0,0 | 88,89 |
| <b>Lecturers:</b> prof. RNDr. Vladimír Kellö, DrSc., prof. RNDr. Jozef Noga, DrSc., doc. Ing. Dušan Velič, PhD., prof. RNDr. Juraj Bujdák, DrSc., prof. RNDr. Ivan Černušák, DrSc., doc. Ing. Marián Janek, PhD., prof. RNDr. Miroslav Urban, DrSc., doc. RNDr. Ivan Valent, CSc. |     |     |     |                                                                       |     |     |       |
| <b>Last change:</b>                                                                                                                                                                                                                                                               |     |     |     |                                                                       |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                                                                                                              |     |     |     |                                                                       |     |     |       |

## STATE EXAM DESCRIPTION

|                                                      |                                               |
|------------------------------------------------------|-----------------------------------------------|
| <b>University:</b> Comenius University in Bratislava |                                               |
| <b>Faculty:</b> Faculty of Natural Sciences          |                                               |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DCTP-304/12     | <b>Course title:</b><br>Theoretical Chemistry |
| <b>Number of credits:</b> 3                          |                                               |
| <b>Educational level:</b> III.                       |                                               |
| <b>State exam syllabus:</b>                          |                                               |
| <b>Last change:</b>                                  |                                               |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc. |                                               |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|-----|-----------------------------------------------|-----|-----|------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                   |      |     |     |                                               |     |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                            |      |     |     |                                               |     |     |      |
| <b>Course ID:</b><br>PriF.KFTCh/N-DCTP-002/09                                                                                                                                                                          |      |     |     | <b>Course title:</b><br>Theoretical 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> 5                                                                                                                                                                                            |      |     |     |                                               |     |     |      |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                        |      |     |     |                                               |     |     |      |
| <b>Educational level:</b> III.                                                                                                                                                                                         |      |     |     |                                               |     |     |      |
| <b>Prerequisites:</b>                                                                                                                                                                                                  |      |     |     |                                               |     |     |      |
| <b>Course requirements:</b>                                                                                                                                                                                            |      |     |     |                                               |     |     |      |
| <b>Learning outcomes:</b>                                                                                                                                                                                              |      |     |     |                                               |     |     |      |
| <b>Class syllabus:</b>                                                                                                                                                                                                 |      |     |     |                                               |     |     |      |
| <b>Recommended literature:</b>                                                                                                                                                                                         |      |     |     |                                               |     |     |      |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                     |      |     |     |                                               |     |     |      |
| <b>Notes:</b>                                                                                                                                                                                                          |      |     |     |                                               |     |     |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 10                                                                                                                                               |      |     |     |                                               |     |     |      |
| A                                                                                                                                                                                                                      | B    | C   | D   | E                                             | FX  | N   | P    |
| 10,0                                                                                                                                                                                                                   | 30,0 | 0,0 | 0,0 | 0,0                                           | 0,0 | 0,0 | 60,0 |
| <b>Lecturers:</b> prof. RNDr. Ivan Černušák, DrSc., doc. Ing. Tomáš Bučko, PhD., prof. RNDr. Vladimír Kellö, DrSc., doc. Mgr. Pavel Neogrády, DrSc., doc. Mgr. Michal Pitoňák, PhD., prof. RNDr. Miroslav Urban, DrSc. |      |     |     |                                               |     |     |      |
| <b>Last change:</b>                                                                                                                                                                                                    |      |     |     |                                               |     |     |      |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                                                   |      |     |     |                                               |     |     |      |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----------------------------------------------------------|-----|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                   |     |     |                                                           |     |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                            |     |     |                                                           |     |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/N-DCTP-006/15                                                                                                                                                                          |     |     | <b>Course title:</b><br>Theoretical chemistry seminar (1) |     |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                         |     |     |                                                           |     |     |     |     |
| <b>Number of credits:</b> 3                                                                                                                                                                                            |     |     |                                                           |     |     |     |     |
| <b>Recommended semester:</b> 1.                                                                                                                                                                                        |     |     |                                                           |     |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                                                         |     |     |                                                           |     |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                  |     |     |                                                           |     |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                                            |     |     |                                                           |     |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                              |     |     |                                                           |     |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                 |     |     |                                                           |     |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                                         |     |     |                                                           |     |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                     |     |     |                                                           |     |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                                          |     |     |                                                           |     |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 3                                                                                                                                                |     |     |                                                           |     |     |     |     |
| A                                                                                                                                                                                                                      | B   | C   | D                                                         | E   | FX  | N   | P   |
| 100,0                                                                                                                                                                                                                  | 0,0 | 0,0 | 0,0                                                       | 0,0 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. Ing. Tomáš Bučko, PhD., prof. RNDr. Ivan Černušák, DrSc., prof. RNDr. Vladimír Kellö, DrSc., doc. Mgr. Pavel Neogrady, DrSc., doc. Mgr. Michal Pitoňák, PhD., prof. RNDr. Miroslav Urban, DrSc. |     |     |                                                           |     |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                                    |     |     |                                                           |     |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                                                   |     |     |                                                           |     |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                        |     |     |     |                                                           |     |     |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                   |     |     |     |                                                           |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                            |     |     |     |                                                           |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/N-DCTP-007/15                                                                                                                                                                          |     |     |     | <b>Course title:</b><br>Theoretical chemistry seminar (2) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                         |     |     |     |                                                           |     |     |     |
| <b>Number of credits:</b> 3                                                                                                                                                                                            |     |     |     |                                                           |     |     |     |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                        |     |     |     |                                                           |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                                                         |     |     |     |                                                           |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                  |     |     |     |                                                           |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                                            |     |     |     |                                                           |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                              |     |     |     |                                                           |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                 |     |     |     |                                                           |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                                         |     |     |     |                                                           |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                     |     |     |     |                                                           |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                                          |     |     |     |                                                           |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 2                                                                                                                                                |     |     |     |                                                           |     |     |     |
| A                                                                                                                                                                                                                      | B   | C   | D   | E                                                         | FX  | N   | P   |
| 100,0                                                                                                                                                                                                                  | 0,0 | 0,0 | 0,0 | 0,0                                                       | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. Ing. Tomáš Bučko, PhD., prof. RNDr. Ivan Černušák, DrSc., prof. RNDr. Vladimír Kellö, DrSc., doc. Mgr. Pavel Neogrády, DrSc., doc. Mgr. Michal Pitoňák, PhD., prof. RNDr. Miroslav Urban, DrSc. |     |     |     |                                                           |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                                    |     |     |     |                                                           |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                                                   |     |     |     |                                                           |     |     |     |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                   |     |     |     |                                                           |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                            |     |     |     |                                                           |     |     |     |
| <b>Course ID:</b><br>PriF.KFTCh/N-DCTP-008/15                                                                                                                                                                          |     |     |     | <b>Course title:</b><br>Theoretical chemistry seminar (3) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning                                         |     |     |     |                                                           |     |     |     |
| <b>Number of credits:</b> 3                                                                                                                                                                                            |     |     |     |                                                           |     |     |     |
| <b>Recommended semester:</b> 3.                                                                                                                                                                                        |     |     |     |                                                           |     |     |     |
| <b>Educational level:</b> III.                                                                                                                                                                                         |     |     |     |                                                           |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                  |     |     |     |                                                           |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                                            |     |     |     |                                                           |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                              |     |     |     |                                                           |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                 |     |     |     |                                                           |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                                         |     |     |     |                                                           |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                     |     |     |     |                                                           |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                                          |     |     |     |                                                           |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1                                                                                                                                                |     |     |     |                                                           |     |     |     |
| A                                                                                                                                                                                                                      | B   | C   | D   | E                                                         | FX  | N   | P   |
| 100,0                                                                                                                                                                                                                  | 0,0 | 0,0 | 0,0 | 0,0                                                       | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. Ing. Tomáš Bučko, PhD., prof. RNDr. Ivan Černušák, DrSc., prof. RNDr. Vladimír Kellö, DrSc., doc. Mgr. Pavel Neogrady, DrSc., doc. Mgr. Michal Pitoňák, PhD., prof. RNDr. Miroslav Urban, DrSc. |     |     |     |                                                           |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                                    |     |     |     |                                                           |     |     |     |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                                                   |     |     |     |                                                           |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                   |      |      |     |                                                      |      |      |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|-----|------------------------------------------------------|------|------|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |      |      |     |                                                      |      |      |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                       |      |      |     |                                                      |      |      |       |
| <b>Course ID:</b><br>PriF.KJ/N-DSSZ-017/13                                                                                                                                                        |      |      |     | <b>Course title:</b><br>Writing Professional English |      |      |       |
| <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, distance learning |      |      |     |                                                      |      |      |       |
| <b>Number of credits:</b> 5                                                                                                                                                                       |      |      |     |                                                      |      |      |       |
| <b>Recommended semester:</b> 1., 3.                                                                                                                                                               |      |      |     |                                                      |      |      |       |
| <b>Educational level:</b> III.                                                                                                                                                                    |      |      |     |                                                      |      |      |       |
| <b>Prerequisites:</b>                                                                                                                                                                             |      |      |     |                                                      |      |      |       |
| <b>Course requirements:</b>                                                                                                                                                                       |      |      |     |                                                      |      |      |       |
| <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: 312                                                                                                                         |      |      |     |                                                      |      |      |       |
| A                                                                                                                                                                                                 | B    | C    | D   | E                                                    | FX   | N    | P     |
| 60,26                                                                                                                                                                                             | 5,13 | 0,32 | 0,0 | 0,0                                                  | 0,64 | 0,32 | 33,33 |
| <b>Lecturers:</b> PhDr. Štefánia Dugovičová, PhD., Michael Jerry Sabo                                                                                                                             |      |      |     |                                                      |      |      |       |
| <b>Last change:</b>                                                                                                                                                                               |      |      |     |                                                      |      |      |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                              |      |      |     |                                                      |      |      |       |

## COURSE DESCRIPTION

|                                                                                                                                                                                                   |      |     |                                                      |     |      |      |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|------------------------------------------------------|-----|------|------|------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |      |     |                                                      |     |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                       |      |     |                                                      |     |      |      |      |
| <b>Course ID:</b><br>PriF.KJ/PriF-DSSZ-018/13                                                                                                                                                     |      |     | <b>Course title:</b><br>Writing Professional English |     |      |      |      |
| <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, distance learning |      |     |                                                      |     |      |      |      |
| <b>Number of credits:</b> 5                                                                                                                                                                       |      |     |                                                      |     |      |      |      |
| <b>Recommended semester:</b> 2., 4.                                                                                                                                                               |      |     |                                                      |     |      |      |      |
| <b>Educational level:</b> III.                                                                                                                                                                    |      |     |                                                      |     |      |      |      |
| <b>Prerequisites:</b>                                                                                                                                                                             |      |     |                                                      |     |      |      |      |
| <b>Course requirements:</b>                                                                                                                                                                       |      |     |                                                      |     |      |      |      |
| <b>Learning outcomes:</b>                                                                                                                                                                         |      |     |                                                      |     |      |      |      |
| <b>Class syllabus:</b>                                                                                                                                                                            |      |     |                                                      |     |      |      |      |
| <b>Recommended literature:</b>                                                                                                                                                                    |      |     |                                                      |     |      |      |      |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                |      |     |                                                      |     |      |      |      |
| <b>Notes:</b>                                                                                                                                                                                     |      |     |                                                      |     |      |      |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 120                                                                                                                         |      |     |                                                      |     |      |      |      |
| A                                                                                                                                                                                                 | B    | C   | D                                                    | E   | FX   | N    | P    |
| 55,83                                                                                                                                                                                             | 0,83 | 0,0 | 0,0                                                  | 0,0 | 4,17 | 1,67 | 37,5 |
| <b>Lecturers:</b> PhDr. Štefánia Dugovičová, PhD., Michael Jerry Sabo                                                                                                                             |      |     |                                                      |     |      |      |      |
| <b>Last change:</b>                                                                                                                                                                               |      |     |                                                      |     |      |      |      |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                                              |      |     |                                                      |     |      |      |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                |     |     |     |                                                                  |     |     |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|------------------------------------------------------------------|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |     |     |     |                                                                  |     |     |       |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                    |     |     |     |                                                                  |     |     |       |
| <b>Course ID:</b><br>PriF.KFTCh/PriF-DSSZ-112/12                                                                                                                               |     |     |     | <b>Course title:</b><br>Zavedenie novej experimentálnej metodiky |     |     |       |
| <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> 16                                                                                                                                                   |     |     |     |                                                                  |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                   |     |     |     |                                                                  |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                 |     |     |     |                                                                  |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                          |     |     |     |                                                                  |     |     |       |
| <b>Course requirements:</b>                                                                                                                                                    |     |     |     |                                                                  |     |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |     |     |                                                                  |     |     |       |
| <b>Class syllabus:</b>                                                                                                                                                         |     |     |     |                                                                  |     |     |       |
| <b>Recommended literature:</b>                                                                                                                                                 |     |     |     |                                                                  |     |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |     |     |                                                                  |     |     |       |
| <b>Notes:</b>                                                                                                                                                                  |     |     |     |                                                                  |     |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1                                                                                                        |     |     |     |                                                                  |     |     |       |
| A                                                                                                                                                                              | B   | C   | D   | E                                                                | FX  | N   | P     |
| 0,0                                                                                                                                                                            | 0,0 | 0,0 | 0,0 | 0,0                                                              | 0,0 | 0,0 | 100,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |     |     |                                                                  |     |     |       |
| <b>Last change:</b>                                                                                                                                                            |     |     |     |                                                                  |     |     |       |
| <b>Approved by:</b> prof. RNDr. Ivan Černušák, DrSc.                                                                                                                           |     |     |     |                                                                  |     |     |       |