

## Course descriptions

### TABLE OF CONTENTS

|                   |                                                           |    |
|-------------------|-----------------------------------------------------------|----|
| 1. N-mBBT-004/15  | Agrobiotechnology and Environmental Biotechnology.....    | 3  |
| 2. N-mBFR-112/15  | Data Analysis in Plant Biology.....                       | 4  |
| 3. N-mBFR-110/15  | Diploma Thesis 1.....                                     | 5  |
| 4. N-mBFR-111/15  | Diploma Thesis 2.....                                     | 6  |
| 5. N-mBFR-118/15  | Diploma Thesis 3.....                                     | 7  |
| 6. N-mBFR-119/15  | Diploma Thesis 4.....                                     | 8  |
| 7. N-mOBH-100/15  | Diploma Thesis Defense ( <b>state exam</b> ).....         | 9  |
| 8. N-mBFR-102/15  | Electron Microscopy.....                                  | 10 |
| 9. N-mBFR-108/15  | Embryology of Angiosperms.....                            | 11 |
| 10. N-mXCJ-062/10 | English Preparatory Course for UNiCert 1.....             | 12 |
| 11. N-mXCJ-063/10 | English Preparatory Course for UNiCert 2.....             | 13 |
| 12. N-mXCJ-060/10 | English 1.....                                            | 14 |
| 13. N-mXCJ-061/10 | English 2.....                                            | 15 |
| 14. N-mXCJ-070/18 | English language 1 - preparation course for UNiCert.....  | 16 |
| 15. N-mXCJ-071/18 | English language 2 - preparation course for UNiCert.....  | 17 |
| 16. N-mXCJ-068/10 | German Preparatory Course for UNiCert 1.....              | 18 |
| 17. N-mXCJ-069/10 | German Preparatory Course for UNiCert 2.....              | 19 |
| 18. N-mXCJ-064/10 | German 1.....                                             | 20 |
| 19. N-mXCJ-065/10 | German 2.....                                             | 21 |
| 20. N-mXCJ-072/18 | German language 1 – UNiCert preparatory course.....       | 22 |
| 21. N-mXCJ-073/18 | German language 2 – UNiCert preparatory course.....       | 23 |
| 22. N-mXXX-003/19 | Green University 1.....                                   | 24 |
| 23. N-mXXX-004/19 | Green University 2.....                                   | 25 |
| 24. N-mBFR-106/15 | In Vitro Cultures of Plants.....                          | 26 |
| 25. N-mBFR-109/15 | Manipulation of Cells and genes in Higher Plants.....     | 27 |
| 26. N-mBFR-113/15 | Master Thesis Praxis.....                                 | 28 |
| 27. N-BIFR-956/15 | Molecular Biology ( <b>state exam</b> ).....              | 29 |
| 28. N-mBFR-120/15 | Molecular Biology of Plant Cells.....                     | 30 |
| 29. N-mCBI-107/15 | Molecular Biology of the Cell (2).....                    | 31 |
| 30. N-mCBI-118/15 | Molecular Biology of the Cell (2) - Seminar.....          | 32 |
| 31. N-mBGE-101/15 | Molecular biology of the cell (1).....                    | 33 |
| 32. N-mBFR-107/15 | Photosynthesis.....                                       | 34 |
| 33. N-mXTV-107/18 | Physical Education.....                                   | 35 |
| 34. N-mXTV-109/18 | Physical Education.....                                   | 36 |
| 35. N-mXTV-110/18 | Physical Education 10.....                                | 37 |
| 36. N-mXTV-108/18 | Physical Education 8.....                                 | 38 |
| 37. N-mBFR-101/15 | Physiology of Plants under Stress.....                    | 39 |
| 38. N-mBFR-115/15 | Plant Cell Signal and Regulatory Molecules.....           | 40 |
| 39. N-BIFR-954/15 | Plant Cytology and Anatomy ( <b>state exam</b> ).....     | 41 |
| 40. N-mBMO-106/15 | Proteins.....                                             | 42 |
| 41. N-mBFR-103/15 | Respiration.....                                          | 43 |
| 42. N-mBFR-122/15 | Selected Chapters from Plant Cytology and Physiology..... | 44 |
| 43. N-mBGE-100/15 | Seminar from molecular biology of the cell (1).....       | 45 |
| 44. N-mBFR-104/15 | Seminar in Plant Physiology 1.....                        | 46 |
| 45. N-mBFR-105/15 | Seminar in Plant Physiology 2.....                        | 47 |
| 46. N-mBFR-116/15 | Seminar in Plant Physiology 3.....                        | 48 |
| 47. N-mBFR-117/15 | Seminar in Plant Physiology 4.....                        | 49 |

|                   |                                                     |    |
|-------------------|-----------------------------------------------------|----|
| 48. N-mBFR-114/15 | Special Master Thesis Seminar 1.....                | 50 |
| 49. N-mBFR-121/15 | Special Master Thesis Seminar 2.....                | 51 |
| 50. N-BIFR-955/15 | Special Plant Physiology ( <b>state exam</b> )..... | 52 |
| 51. N-mUXX-204/10 | Summer physic-educational meeting.....              | 53 |
| 52. N-mUXX-203/10 | Winter physic-educational meeting.....              | 54 |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                       |       |                                                                           |      |     |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------|------|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                  |       |                                                                           |      |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                           |       |                                                                           |      |     |     |
| <b>Course ID:</b><br>PriF.KMB/N-mBBT-004/15                                                                                                                                                                           |       | <b>Course title:</b><br>Agrobiotechnology and Environmental Biotechnology |      |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 28 / 28<br><b>Form of the course:</b> on-site learning |       |                                                                           |      |     |     |
| <b>Number of credits:</b> 5                                                                                                                                                                                           |       |                                                                           |      |     |     |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                       |       |                                                                           |      |     |     |
| <b>Educational level:</b> II.                                                                                                                                                                                         |       |                                                                           |      |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                 |       |                                                                           |      |     |     |
| <b>Course requirements:</b>                                                                                                                                                                                           |       |                                                                           |      |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                             |       |                                                                           |      |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                |       |                                                                           |      |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                                        |       |                                                                           |      |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                    |       |                                                                           |      |     |     |
| <b>Notes:</b>                                                                                                                                                                                                         |       |                                                                           |      |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 54                                                                                                                                              |       |                                                                           |      |     |     |
| A                                                                                                                                                                                                                     | B     | C                                                                         | D    | E   | FX  |
| 18,52                                                                                                                                                                                                                 | 57,41 | 12,96                                                                     | 7,41 | 3,7 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Stanislav Stuchlík, CSc.                                                                                                                                                                 |       |                                                                           |      |     |     |
| <b>Last change:</b> 23.02.2018                                                                                                                                                                                        |       |                                                                           |      |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                                   |       |                                                                           |      |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                       |       |                                                        |      |     |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------|------|-----|------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                  |       |                                                        |      |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |       |                                                        |      |     |      |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-112/15                                                                                                                                                           |       | <b>Course title:</b><br>Data Analysis in Plant Biology |      |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |       |                                                        |      |     |      |
| <b>Number of credits:</b> 2                                                                                                                                                                           |       |                                                        |      |     |      |
| <b>Recommended semester:</b> 1.                                                                                                                                                                       |       |                                                        |      |     |      |
| <b>Educational level:</b> II.                                                                                                                                                                         |       |                                                        |      |     |      |
| <b>Prerequisites:</b>                                                                                                                                                                                 |       |                                                        |      |     |      |
| <b>Course requirements:</b>                                                                                                                                                                           |       |                                                        |      |     |      |
| <b>Learning outcomes:</b>                                                                                                                                                                             |       |                                                        |      |     |      |
| <b>Class syllabus:</b>                                                                                                                                                                                |       |                                                        |      |     |      |
| <b>Recommended literature:</b>                                                                                                                                                                        |       |                                                        |      |     |      |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                    |       |                                                        |      |     |      |
| <b>Notes:</b>                                                                                                                                                                                         |       |                                                        |      |     |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 38                                                                                                                              |       |                                                        |      |     |      |
| A                                                                                                                                                                                                     | B     | C                                                      | D    | E   | FX   |
| 76,32                                                                                                                                                                                                 | 15,79 | 0,0                                                    | 2,63 | 0,0 | 5,26 |
| <b>Lecturers:</b> RNDr. Zuzana Lukačová, PhD., Mgr. Boris Bokor, PhD., Mgr. Michal Martinka, PhD.                                                                                                     |       |                                                        |      |     |      |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                        |       |                                                        |      |     |      |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                   |       |                                                        |      |     |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                                                                                                                          |      |                                          |     |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                                                                                                                                     |      |                                          |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                              |      |                                          |     |     |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-110/15                                                                                                                                                                                                                                                                                                              |      | <b>Course title:</b><br>Diploma Thesis 1 |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week: 5 per level/semester: 70</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> II.                                                                                                                                                                                                                                                                                                                            |      |                                          |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                    |      |                                          |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                                                                                                                                                                              |      |                                          |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                                                                                                                                                                |      |                                          |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                                                                                                                                                   |      |                                          |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                                                                                                                                                                           |      |                                          |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                                                                                                                                       |      |                                          |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                                                                                                                                                                            |      |                                          |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 33                                                                                                                                                                                                                                                                                 |      |                                          |     |     |     |
| A                                                                                                                                                                                                                                                                                                                                                        | B    | C                                        | D   | E   | FX  |
| 96,97                                                                                                                                                                                                                                                                                                                                                    | 3,03 | 0,0                                      | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Alexander Lux, CSc., doc. RNDr. Ľudmila Slováková, CSc., doc. RNDr. Alžbeta Blehová, CSc., doc. Mgr. Andrej Pavlovič, PhD., RNDr. Zuzana Lukačová, PhD., Mgr. Renáta Švubová, PhD., doc. RNDr. Marek Vaculík, PhD., Mgr. Boris Bokor, PhD., Mgr. Michal Martinka, PhD., RNDr. Jana Kohanová, PhD., Mgr. Viktor Demko, PhD. |      |                                          |     |     |     |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                                                                                                                                                                           |      |                                          |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                                                                                                                                                                      |      |                                          |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                                                                                                                          |      |                                          |     |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                                                                                                                                     |      |                                          |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                              |      |                                          |     |     |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-111/15                                                                                                                                                                                                                                                                                                              |      | <b>Course title:</b><br>Diploma Thesis 2 |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 5 <b>per level/semester:</b> 70<br><b>Form of the course:</b> on-site learning                                                                                                                                                    |      |                                          |     |     |     |
| <b>Number of credits:</b> 3                                                                                                                                                                                                                                                                                                                              |      |                                          |     |     |     |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                                                                                                                                                          |      |                                          |     |     |     |
| <b>Educational level:</b> II.                                                                                                                                                                                                                                                                                                                            |      |                                          |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                    |      |                                          |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                                                                                                                                                                              |      |                                          |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                                                                                                                                                                |      |                                          |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                                                                                                                                                   |      |                                          |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                                                                                                                                                                           |      |                                          |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                                                                                                                                       |      |                                          |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                                                                                                                                                                            |      |                                          |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 32                                                                                                                                                                                                                                                                                 |      |                                          |     |     |     |
| A                                                                                                                                                                                                                                                                                                                                                        | B    | C                                        | D   | E   | FX  |
| 90,63                                                                                                                                                                                                                                                                                                                                                    | 9,38 | 0,0                                      | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Alexander Lux, CSc., doc. RNDr. Ľudmila Slováková, CSc., doc. RNDr. Alžbeta Blehová, CSc., doc. Mgr. Andrej Pavlovič, PhD., RNDr. Zuzana Lukačová, PhD., Mgr. Renáta Švubová, PhD., doc. RNDr. Marek Vaculík, PhD., Mgr. Michal Martinka, PhD., Mgr. Boris Bokor, PhD., RNDr. Jana Kohanová, PhD., Mgr. Viktor Demko, PhD. |      |                                          |     |     |     |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                                                                                                                                                                           |      |                                          |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                                                                                                                                                                      |      |                                          |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                                                                                                                          |      |                                          |      |      |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------|------|------|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                                                                                                                                     |      |                                          |      |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                              |      |                                          |      |      |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-118/15                                                                                                                                                                                                                                                                                                              |      | <b>Course title:</b><br>Diploma Thesis 3 |      |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 14 <b>per level/semester:</b> 196<br><b>Form of the course:</b> on-site learning                                                                                                                                                  |      |                                          |      |      |     |
| <b>Number of credits:</b> 12                                                                                                                                                                                                                                                                                                                             |      |                                          |      |      |     |
| <b>Recommended semester:</b> 3.                                                                                                                                                                                                                                                                                                                          |      |                                          |      |      |     |
| <b>Educational level:</b> II.                                                                                                                                                                                                                                                                                                                            |      |                                          |      |      |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                    |      |                                          |      |      |     |
| <b>Course requirements:</b>                                                                                                                                                                                                                                                                                                                              |      |                                          |      |      |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                                                                                                                                                                |      |                                          |      |      |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                                                                                                                                                   |      |                                          |      |      |     |
| <b>Recommended literature:</b>                                                                                                                                                                                                                                                                                                                           |      |                                          |      |      |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                                                                                                                                       |      |                                          |      |      |     |
| <b>Notes:</b>                                                                                                                                                                                                                                                                                                                                            |      |                                          |      |      |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 30                                                                                                                                                                                                                                                                                 |      |                                          |      |      |     |
| A                                                                                                                                                                                                                                                                                                                                                        | B    | C                                        | D    | E    | FX  |
| 80,0                                                                                                                                                                                                                                                                                                                                                     | 10,0 | 3,33                                     | 3,33 | 3,33 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Alexander Lux, CSc., doc. RNDr. Ľudmila Slováková, CSc., doc. RNDr. Alžbeta Blehová, CSc., doc. Mgr. Andrej Pavlovič, PhD., Mgr. Renáta Švubová, PhD., RNDr. Zuzana Lukačová, PhD., doc. RNDr. Marek Vaculík, PhD., Mgr. Boris Bokor, PhD., Mgr. Michal Martinka, PhD., Mgr. Viktor Demko, PhD., RNDr. Jana Kohanová, PhD. |      |                                          |      |      |     |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                                                                                                                                                                           |      |                                          |      |      |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                                                                                                                                                                      |      |                                          |      |      |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                                                                                                                          |      |                                          |     |      |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------|-----|------|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                                                                                                                                     |      |                                          |     |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                              |      |                                          |     |      |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-119/15                                                                                                                                                                                                                                                                                                              |      | <b>Course title:</b><br>Diploma Thesis 4 |     |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 18 <b>per level/semester:</b> 252<br><b>Form of the course:</b> on-site learning                                                                                                                                                  |      |                                          |     |      |     |
| <b>Number of credits:</b> 14                                                                                                                                                                                                                                                                                                                             |      |                                          |     |      |     |
| <b>Recommended semester:</b> 4.                                                                                                                                                                                                                                                                                                                          |      |                                          |     |      |     |
| <b>Educational level:</b> II.                                                                                                                                                                                                                                                                                                                            |      |                                          |     |      |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                    |      |                                          |     |      |     |
| <b>Course requirements:</b>                                                                                                                                                                                                                                                                                                                              |      |                                          |     |      |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                                                                                                                                                                |      |                                          |     |      |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                                                                                                                                                   |      |                                          |     |      |     |
| <b>Recommended literature:</b>                                                                                                                                                                                                                                                                                                                           |      |                                          |     |      |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                                                                                                                                       |      |                                          |     |      |     |
| <b>Notes:</b>                                                                                                                                                                                                                                                                                                                                            |      |                                          |     |      |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 30                                                                                                                                                                                                                                                                                 |      |                                          |     |      |     |
| A                                                                                                                                                                                                                                                                                                                                                        | B    | C                                        | D   | E    | FX  |
| 86,67                                                                                                                                                                                                                                                                                                                                                    | 6,67 | 0,0                                      | 0,0 | 6,67 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Alexander Lux, CSc., doc. RNDr. Alžbeta Blehová, CSc., doc. RNDr. Ľudmila Slováková, CSc., doc. Mgr. Andrej Pavlovič, PhD., RNDr. Zuzana Lukačová, PhD., Mgr. Renáta Švubová, PhD., doc. RNDr. Marek Vaculík, PhD., Mgr. Michal Martinka, PhD., Mgr. Boris Bokor, PhD., Mgr. Viktor Demko, PhD., RNDr. Jana Kohanová, PhD. |      |                                          |     |      |     |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                                                                                                                                                                           |      |                                          |     |      |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                                                                                                                                                                      |      |                                          |     |      |     |



## STATE EXAM DESCRIPTION

|                                                      |                                                |
|------------------------------------------------------|------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava |                                                |
| <b>Faculty:</b> Faculty of Natural Sciences          |                                                |
| <b>Course ID:</b><br>PriF.KFR/N-mOBH-100/15          | <b>Course title:</b><br>Diploma Thesis Defense |
| <b>Number of credits:</b> 10                         |                                                |
| <b>Educational level:</b> II.                        |                                                |
| <b>State exam syllabus:</b>                          |                                                |
| <b>Last change:</b>                                  |                                                |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.  |                                                |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                          |       |                                             |     |     |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                     |       |                                             |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                              |       |                                             |     |     |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-102/15                                                                                                                                                                              |       | <b>Course title:</b><br>Electron Microscopy |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 28 / 28<br><b>Form of the course:</b> on-site learning |       |                                             |     |     |     |
| <b>Number of credits:</b> 5                                                                                                                                                                                              |       |                                             |     |     |     |
| <b>Recommended semester:</b> 1.                                                                                                                                                                                          |       |                                             |     |     |     |
| <b>Educational level:</b> II.                                                                                                                                                                                            |       |                                             |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                    |       |                                             |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                                              |       |                                             |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                                |       |                                             |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                   |       |                                             |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                                           |       |                                             |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                       |       |                                             |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                                            |       |                                             |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 45                                                                                                                                                 |       |                                             |     |     |     |
| A                                                                                                                                                                                                                        | B     | C                                           | D   | E   | FX  |
| 57,78                                                                                                                                                                                                                    | 24,44 | 17,78                                       | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Alexander Lux, CSc., Mgr. Michal Martinka, PhD.                                                                                                                                            |       |                                             |     |     |     |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                                           |       |                                             |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                                      |       |                                             |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                          |       |                                                   |      |       |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------|------|-------|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                     |       |                                                   |      |       |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                              |       |                                                   |      |       |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-108/15                                                                                                                                                                              |       | <b>Course title:</b><br>Embryology of Angiosperms |      |       |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture<br><b>Number of hours:</b><br><b>per week:</b> 1 / 1 <b>per level/semester:</b> 14 / 14<br><b>Form of the course:</b> on-site learning |       |                                                   |      |       |     |
| <b>Number of credits:</b> 2                                                                                                                                                                                              |       |                                                   |      |       |     |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                          |       |                                                   |      |       |     |
| <b>Educational level:</b> II.                                                                                                                                                                                            |       |                                                   |      |       |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                    |       |                                                   |      |       |     |
| <b>Course requirements:</b>                                                                                                                                                                                              |       |                                                   |      |       |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                                |       |                                                   |      |       |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                   |       |                                                   |      |       |     |
| <b>Recommended literature:</b>                                                                                                                                                                                           |       |                                                   |      |       |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                       |       |                                                   |      |       |     |
| <b>Notes:</b>                                                                                                                                                                                                            |       |                                                   |      |       |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 33                                                                                                                                                 |       |                                                   |      |       |     |
| A                                                                                                                                                                                                                        | B     | C                                                 | D    | E     | FX  |
| 51,52                                                                                                                                                                                                                    | 18,18 | 12,12                                             | 6,06 | 12,12 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Alexander Lux, CSc., Mgr. Renáta Švubová, PhD.                                                                                                                                             |       |                                                   |      |       |     |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                                           |       |                                                   |      |       |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                                      |       |                                                   |      |       |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |       |                                                                  |      |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------|------|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |       |                                                                  |      |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                                  |      |     |     |
| <b>Course ID:</b><br>PriF.KJ/N-mXCJ-062/10                                                                                                                                                         |       | <b>Course title:</b><br>English Preparatory Course for UNICert 1 |      |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |       |                                                                  |      |     |     |
| <b>Number of credits:</b> 3                                                                                                                                                                        |       |                                                                  |      |     |     |
| <b>Recommended semester:</b> 1., 3.                                                                                                                                                                |       |                                                                  |      |     |     |
| <b>Educational level:</b> I., II.                                                                                                                                                                  |       |                                                                  |      |     |     |
| <b>Prerequisites:</b> PriF.KJ/N-bXCJ-118/18 - English language 3 - preparation course for UNICert and<br>PriF.KJ/N-bXCJ-119/18 - English language 4 - preparation course for UNICert               |       |                                                                  |      |     |     |
| <b>Course requirements:</b>                                                                                                                                                                        |       |                                                                  |      |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                          |       |                                                                  |      |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                             |       |                                                                  |      |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                     |       |                                                                  |      |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |       |                                                                  |      |     |     |
| <b>Notes:</b>                                                                                                                                                                                      |       |                                                                  |      |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 233                                                                                                                          |       |                                                                  |      |     |     |
| A                                                                                                                                                                                                  | B     | C                                                                | D    | E   | FX  |
| 63,09                                                                                                                                                                                              | 29,18 | 6,87                                                             | 0,86 | 0,0 | 0,0 |
| <b>Lecturers:</b> PhDr. Jarmila Cihová, PhD., PhDr. Štefánia Dugovičová, PhD., RNDr. Tatiana Slováková, PhD., Mgr. Barbara Kordíková                                                               |       |                                                                  |      |     |     |
| <b>Last change:</b> 10.01.2020                                                                                                                                                                     |       |                                                                  |      |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                |       |                                                                  |      |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |       |                                                                  |      |      |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------|------|------|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |       |                                                                  |      |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                                  |      |      |     |
| <b>Course ID:</b><br>PriF.KJ/N-mXCJ-063/10                                                                                                                                                         |       | <b>Course title:</b><br>English Preparatory Course for UNICert 2 |      |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |       |                                                                  |      |      |     |
| <b>Number of credits:</b> 3                                                                                                                                                                        |       |                                                                  |      |      |     |
| <b>Recommended semester:</b> 2., 4.                                                                                                                                                                |       |                                                                  |      |      |     |
| <b>Educational level:</b> I., II.                                                                                                                                                                  |       |                                                                  |      |      |     |
| <b>Prerequisites:</b> PriF.KJ/N-mXCJ-062/10 - English Preparatory Course for UNICert 1                                                                                                             |       |                                                                  |      |      |     |
| <b>Course requirements:</b>                                                                                                                                                                        |       |                                                                  |      |      |     |
| <b>Learning outcomes:</b>                                                                                                                                                                          |       |                                                                  |      |      |     |
| <b>Class syllabus:</b>                                                                                                                                                                             |       |                                                                  |      |      |     |
| <b>Recommended literature:</b>                                                                                                                                                                     |       |                                                                  |      |      |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |       |                                                                  |      |      |     |
| <b>Notes:</b>                                                                                                                                                                                      |       |                                                                  |      |      |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 218                                                                                                                          |       |                                                                  |      |      |     |
| A                                                                                                                                                                                                  | B     | C                                                                | D    | E    | FX  |
| 79,36                                                                                                                                                                                              | 14,68 | 4,59                                                             | 0,92 | 0,46 | 0,0 |
| <b>Lecturers:</b> PhDr. Jarmila Cihová, PhD., PhDr. Štefánia Dugovičová, PhD., RNDr. Tatiana Slováková, PhD., Mgr. Barbara Kordíková                                                               |       |                                                                  |      |      |     |
| <b>Last change:</b> 10.01.2020                                                                                                                                                                     |       |                                                                  |      |      |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                |       |                                                                  |      |      |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                       |      |                                   |      |     |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------------------|------|-----|------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                  |      |                                   |      |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |      |                                   |      |     |      |
| <b>Course ID:</b><br>PriF.KJ/N-mXCJ-060/10                                                                                                                                                            |      | <b>Course title:</b><br>English 1 |      |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |      |                                   |      |     |      |
| <b>Number of credits:</b> 2                                                                                                                                                                           |      |                                   |      |     |      |
| <b>Recommended semester:</b> 1., 3.                                                                                                                                                                   |      |                                   |      |     |      |
| <b>Educational level:</b> I., II.                                                                                                                                                                     |      |                                   |      |     |      |
| <b>Prerequisites:</b>                                                                                                                                                                                 |      |                                   |      |     |      |
| <b>Course requirements:</b>                                                                                                                                                                           |      |                                   |      |     |      |
| <b>Learning outcomes:</b>                                                                                                                                                                             |      |                                   |      |     |      |
| <b>Class syllabus:</b>                                                                                                                                                                                |      |                                   |      |     |      |
| <b>Recommended literature:</b>                                                                                                                                                                        |      |                                   |      |     |      |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                    |      |                                   |      |     |      |
| <b>Notes:</b>                                                                                                                                                                                         |      |                                   |      |     |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 327                                                                                                                             |      |                                   |      |     |      |
| A                                                                                                                                                                                                     | B    | C                                 | D    | E   | FX   |
| 71,87                                                                                                                                                                                                 | 15,9 | 7,65                              | 1,22 | 0,0 | 3,36 |
| <b>Lecturers:</b> PhDr. Jarmila Cihová, PhD., PhDr. Štefánia Dugovičová, PhD., RNDr. Tatiana Slováková, PhD., Mgr. Barbara Kordíková, PhDr. Oľga Pažitková, CSc.                                      |      |                                   |      |     |      |
| <b>Last change:</b> 08.01.2020                                                                                                                                                                        |      |                                   |      |     |      |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                   |      |                                   |      |     |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                       |       |                                   |     |     |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                  |       |                                   |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |       |                                   |     |     |     |
| <b>Course ID:</b><br>PriF.KJ/N-mXCJ-061/10                                                                                                                                                            |       | <b>Course title:</b><br>English 2 |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |       |                                   |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                           |       |                                   |     |     |     |
| <b>Recommended semester:</b> 2., 4.                                                                                                                                                                   |       |                                   |     |     |     |
| <b>Educational level:</b> I., II.                                                                                                                                                                     |       |                                   |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                 |       |                                   |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                           |       |                                   |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                             |       |                                   |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                                |       |                                   |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                        |       |                                   |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                    |       |                                   |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                         |       |                                   |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 273                                                                                                                             |       |                                   |     |     |     |
| A                                                                                                                                                                                                     | B     | C                                 | D   | E   | FX  |
| 75,46                                                                                                                                                                                                 | 19,05 | 3,3                               | 1,1 | 0,0 | 1,1 |
| <b>Lecturers:</b> PhDr. Jarmila Cihová, PhD., PhDr. Štefánia Dugovičová, PhD., RNDr. Tatiana Slováková, PhD., Mgr. Barbara Kordíková, PhDr. Oľga Pažitková, CSc.                                      |       |                                   |     |     |     |
| <b>Last change:</b> 08.01.2020                                                                                                                                                                        |       |                                   |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                   |       |                                   |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                       |       |                                                                             |     |     |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                  |       |                                                                             |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |       |                                                                             |     |     |     |
| <b>Course ID:</b><br>PriF.KJ/N-mXCJ-070/18                                                                                                                                                            |       | <b>Course title:</b><br>English language 1 - preparation course for UNIcert |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |       |                                                                             |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                           |       |                                                                             |     |     |     |
| <b>Recommended semester:</b> 1., 3.                                                                                                                                                                   |       |                                                                             |     |     |     |
| <b>Educational level:</b> I., II.                                                                                                                                                                     |       |                                                                             |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                 |       |                                                                             |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                           |       |                                                                             |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                             |       |                                                                             |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                                |       |                                                                             |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                        |       |                                                                             |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                    |       |                                                                             |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                         |       |                                                                             |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 29                                                                                                                              |       |                                                                             |     |     |     |
| A                                                                                                                                                                                                     | B     | C                                                                           | D   | E   | FX  |
| 62,07                                                                                                                                                                                                 | 34,48 | 3,45                                                                        | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Michael Jerry Sabo, Mgr. Barbara Kordíková                                                                                                                                          |       |                                                                             |     |     |     |
| <b>Last change:</b> 10.01.2020                                                                                                                                                                        |       |                                                                             |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                   |       |                                                                             |     |     |     |



## COURSE DESCRIPTION

|                                                                                                                                                                                                       |       |                                                                             |     |     |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                  |       |                                                                             |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |       |                                                                             |     |     |     |
| <b>Course ID:</b><br>PriF.KJ/N-mXCJ-071/18                                                                                                                                                            |       | <b>Course title:</b><br>English language 2 - preparation course for UNiCert |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |       |                                                                             |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                           |       |                                                                             |     |     |     |
| <b>Recommended semester:</b> 2., 4.                                                                                                                                                                   |       |                                                                             |     |     |     |
| <b>Educational level:</b> I., II.                                                                                                                                                                     |       |                                                                             |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                 |       |                                                                             |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                           |       |                                                                             |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                             |       |                                                                             |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                                |       |                                                                             |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                        |       |                                                                             |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                    |       |                                                                             |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                         |       |                                                                             |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 28                                                                                                                              |       |                                                                             |     |     |     |
| A                                                                                                                                                                                                     | B     | C                                                                           | D   | E   | FX  |
| 85,71                                                                                                                                                                                                 | 10,71 | 3,57                                                                        | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Michael Jerry Sabo, Mgr. Barbara Kordíková                                                                                                                                          |       |                                                                             |     |     |     |
| <b>Last change:</b> 10.01.2020                                                                                                                                                                        |       |                                                                             |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                   |       |                                                                             |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |       |                                                                 |     |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |       |                                                                 |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                                 |     |     |     |
| <b>Course ID:</b><br>PriF.KJ/N-mXCJ-068/10                                                                                                                                                         |       | <b>Course title:</b><br>German Preparatory Course for UNICert 1 |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |       |                                                                 |     |     |     |
| <b>Number of credits:</b> 3                                                                                                                                                                        |       |                                                                 |     |     |     |
| <b>Recommended semester:</b> 1., 3.                                                                                                                                                                |       |                                                                 |     |     |     |
| <b>Educational level:</b> I., II.                                                                                                                                                                  |       |                                                                 |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                              |       |                                                                 |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                        |       |                                                                 |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                          |       |                                                                 |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                             |       |                                                                 |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                     |       |                                                                 |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |       |                                                                 |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                      |       |                                                                 |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 27                                                                                                                           |       |                                                                 |     |     |     |
| A                                                                                                                                                                                                  | B     | C                                                               | D   | E   | FX  |
| 44,44                                                                                                                                                                                              | 33,33 | 14,81                                                           | 3,7 | 0,0 | 3,7 |
| <b>Lecturers:</b> Mgr. Stella Rizmanová, Mgr. Karin Rózsová Wolfová                                                                                                                                |       |                                                                 |     |     |     |
| <b>Last change:</b> 15.01.2020                                                                                                                                                                     |       |                                                                 |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                |       |                                                                 |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |       |                                                                 |     |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |       |                                                                 |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                                 |     |     |     |
| <b>Course ID:</b><br>PriF.KJ/N-mXCJ-069/10                                                                                                                                                         |       | <b>Course title:</b><br>German Preparatory Course for UNIcert 2 |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |       |                                                                 |     |     |     |
| <b>Number of credits:</b> 3                                                                                                                                                                        |       |                                                                 |     |     |     |
| <b>Recommended semester:</b> 2., 4.                                                                                                                                                                |       |                                                                 |     |     |     |
| <b>Educational level:</b> I., II.                                                                                                                                                                  |       |                                                                 |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                              |       |                                                                 |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                        |       |                                                                 |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                          |       |                                                                 |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                             |       |                                                                 |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                     |       |                                                                 |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |       |                                                                 |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                      |       |                                                                 |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 17                                                                                                                           |       |                                                                 |     |     |     |
| A                                                                                                                                                                                                  | B     | C                                                               | D   | E   | FX  |
| 76,47                                                                                                                                                                                              | 17,65 | 5,88                                                            | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Stella Rizmanová, Mgr. Karin Rózsová Wolfová                                                                                                                                |       |                                                                 |     |     |     |
| <b>Last change:</b> 14.01.2020                                                                                                                                                                     |       |                                                                 |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                |       |                                                                 |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |      |                                  |      |     |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------|------|-----|------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |      |                                  |      |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |      |                                  |      |     |      |
| <b>Course ID:</b><br>PriF.KJ/N-mXCJ-064/10                                                                                                                                                         |      | <b>Course title:</b><br>German 1 |      |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |      |                                  |      |     |      |
| <b>Number of credits:</b> 2                                                                                                                                                                        |      |                                  |      |     |      |
| <b>Recommended semester:</b> 1., 3.                                                                                                                                                                |      |                                  |      |     |      |
| <b>Educational level:</b> I., II.                                                                                                                                                                  |      |                                  |      |     |      |
| <b>Prerequisites:</b>                                                                                                                                                                              |      |                                  |      |     |      |
| <b>Course requirements:</b>                                                                                                                                                                        |      |                                  |      |     |      |
| <b>Learning outcomes:</b>                                                                                                                                                                          |      |                                  |      |     |      |
| <b>Class syllabus:</b>                                                                                                                                                                             |      |                                  |      |     |      |
| <b>Recommended literature:</b>                                                                                                                                                                     |      |                                  |      |     |      |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |      |                                  |      |     |      |
| <b>Notes:</b>                                                                                                                                                                                      |      |                                  |      |     |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 64                                                                                                                           |      |                                  |      |     |      |
| A                                                                                                                                                                                                  | B    | C                                | D    | E   | FX   |
| 85,94                                                                                                                                                                                              | 3,13 | 1,56                             | 3,13 | 0,0 | 6,25 |
| <b>Lecturers:</b> Mgr. Stella Rizmanová, Mgr. Karin Rózsová Wolfová                                                                                                                                |      |                                  |      |     |      |
| <b>Last change:</b> 16.01.2020                                                                                                                                                                     |      |                                  |      |     |      |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                |      |                                  |      |     |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |      |                                  |      |     |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------|------|-----|------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |      |                                  |      |     |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |      |                                  |      |     |      |
| <b>Course ID:</b><br>PriF.KJ/N-mXCJ-065/10                                                                                                                                                         |      | <b>Course title:</b><br>German 2 |      |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |      |                                  |      |     |      |
| <b>Number of credits:</b> 2                                                                                                                                                                        |      |                                  |      |     |      |
| <b>Recommended semester:</b> 2., 4.                                                                                                                                                                |      |                                  |      |     |      |
| <b>Educational level:</b> I., II.                                                                                                                                                                  |      |                                  |      |     |      |
| <b>Prerequisites:</b>                                                                                                                                                                              |      |                                  |      |     |      |
| <b>Course requirements:</b>                                                                                                                                                                        |      |                                  |      |     |      |
| <b>Learning outcomes:</b>                                                                                                                                                                          |      |                                  |      |     |      |
| <b>Class syllabus:</b>                                                                                                                                                                             |      |                                  |      |     |      |
| <b>Recommended literature:</b>                                                                                                                                                                     |      |                                  |      |     |      |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |      |                                  |      |     |      |
| <b>Notes:</b>                                                                                                                                                                                      |      |                                  |      |     |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 54                                                                                                                           |      |                                  |      |     |      |
| A                                                                                                                                                                                                  | B    | C                                | D    | E   | FX   |
| 87,04                                                                                                                                                                                              | 7,41 | 1,85                             | 1,85 | 0,0 | 1,85 |
| <b>Lecturers:</b> Mgr. Stella Rizmanová, Mgr. Karin Rózsová Wolfová                                                                                                                                |      |                                  |      |     |      |
| <b>Last change:</b> 21.01.2020                                                                                                                                                                     |      |                                  |      |     |      |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                |      |                                  |      |     |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                       |       |                                                                        |     |     |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                  |       |                                                                        |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |       |                                                                        |     |     |     |
| <b>Course ID:</b><br>PriF.KJ/N-mXCJ-072/18                                                                                                                                                            |       | <b>Course title:</b><br>German language 1 – UNicert preparatory course |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |       |                                                                        |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                           |       |                                                                        |     |     |     |
| <b>Recommended semester:</b> 1., 3.                                                                                                                                                                   |       |                                                                        |     |     |     |
| <b>Educational level:</b> I., II.                                                                                                                                                                     |       |                                                                        |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                 |       |                                                                        |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                           |       |                                                                        |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                             |       |                                                                        |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                                |       |                                                                        |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                        |       |                                                                        |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                    |       |                                                                        |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                         |       |                                                                        |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1                                                                                                                               |       |                                                                        |     |     |     |
| A                                                                                                                                                                                                     | B     | C                                                                      | D   | E   | FX  |
| 0,0                                                                                                                                                                                                   | 100,0 | 0,0                                                                    | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Stella Rizmanová, Mgr. Karin Rózsová Wolfová                                                                                                                                   |       |                                                                        |     |     |     |
| <b>Last change:</b> 15.01.2020                                                                                                                                                                        |       |                                                                        |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                   |       |                                                                        |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                       |     |                                                                        |     |     |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                  |     |                                                                        |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |     |                                                                        |     |     |     |
| <b>Course ID:</b><br>PriF.KJ/N-mXCJ-073/18                                                                                                                                                            |     | <b>Course title:</b><br>German language 2 – UNicert preparatory course |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |     |                                                                        |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                           |     |                                                                        |     |     |     |
| <b>Recommended semester:</b> 2., 4.                                                                                                                                                                   |     |                                                                        |     |     |     |
| <b>Educational level:</b> I., II.                                                                                                                                                                     |     |                                                                        |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                 |     |                                                                        |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                           |     |                                                                        |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                             |     |                                                                        |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                                |     |                                                                        |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                        |     |                                                                        |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                    |     |                                                                        |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                         |     |                                                                        |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1                                                                                                                               |     |                                                                        |     |     |     |
| A                                                                                                                                                                                                     | B   | C                                                                      | D   | E   | FX  |
| 100,0                                                                                                                                                                                                 | 0,0 | 0,0                                                                    | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Stella Rizmanová, Mgr. Karin Rózsová Wolfová                                                                                                                                   |     |                                                                        |     |     |     |
| <b>Last change:</b> 15.01.2020                                                                                                                                                                        |     |                                                                        |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                   |     |                                                                        |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                          |     |                                            |     |     |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                     |     |                                            |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                              |     |                                            |     |     |     |
| <b>Course ID:</b><br>PriF/N-mXXX-003/19                                                                                                                                                                                  |     | <b>Course title:</b><br>Green University 1 |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 28 / 28<br><b>Form of the course:</b> on-site learning |     |                                            |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                                              |     |                                            |     |     |     |
| <b>Recommended semester:</b> 1., 2., 3., 4..                                                                                                                                                                             |     |                                            |     |     |     |
| <b>Educational level:</b> I., II.                                                                                                                                                                                        |     |                                            |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                    |     |                                            |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                                              |     |                                            |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                                |     |                                            |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                   |     |                                            |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                                           |     |                                            |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                       |     |                                            |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                                            |     |                                            |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 24                                                                                                                                                 |     |                                            |     |     |     |
| A                                                                                                                                                                                                                        | B   | C                                          | D   | E   | FX  |
| 100,0                                                                                                                                                                                                                    | 0,0 | 0,0                                        | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> RNDr. Jaroslav Bella, doc. Mgr. Miroslava Slaninová, Dr., Mgr. Martin Šebesta, PhD.,<br>RNDr. Hubert Žarnovičan, PhD.                                                                                  |     |                                            |     |     |     |
| <b>Last change:</b> 11.02.2020                                                                                                                                                                                           |     |                                            |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                                      |     |                                            |     |     |     |



## COURSE DESCRIPTION

|                                                                                                                                                                                                                          |     |                                            |     |     |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                     |     |                                            |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                              |     |                                            |     |     |     |
| <b>Course ID:</b><br>PriF/N-mXXX-004/19                                                                                                                                                                                  |     | <b>Course title:</b><br>Green University 2 |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 28 / 28<br><b>Form of the course:</b> on-site learning |     |                                            |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                                              |     |                                            |     |     |     |
| <b>Recommended semester:</b> 1., 2., 3., 4..                                                                                                                                                                             |     |                                            |     |     |     |
| <b>Educational level:</b> I., II.                                                                                                                                                                                        |     |                                            |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                    |     |                                            |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                                              |     |                                            |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                                |     |                                            |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                   |     |                                            |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                                           |     |                                            |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                       |     |                                            |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                                            |     |                                            |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                                                                  |     |                                            |     |     |     |
| A                                                                                                                                                                                                                        | B   | C                                          | D   | E   | FX  |
| 0,0                                                                                                                                                                                                                      | 0,0 | 0,0                                        | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> RNDr. Jaroslav Bella, doc. Mgr. Miroslava Slaninová, Dr., Mgr. Martin Šebesta, PhD.,<br>RNDr. Hubert Žarnovičan, PhD.                                                                                  |     |                                            |     |     |     |
| <b>Last change:</b> 11.02.2020                                                                                                                                                                                           |     |                                            |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                                      |     |                                            |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                          |       |                                                     |     |      |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------|-----|------|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                     |       |                                                     |     |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                              |       |                                                     |     |      |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-106/15                                                                                                                                                                              |       | <b>Course title:</b><br>In Vitro Cultures of Plants |     |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 28 / 28<br><b>Form of the course:</b> on-site learning |       |                                                     |     |      |     |
| <b>Number of credits:</b> 5                                                                                                                                                                                              |       |                                                     |     |      |     |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                          |       |                                                     |     |      |     |
| <b>Educational level:</b> II.                                                                                                                                                                                            |       |                                                     |     |      |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                    |       |                                                     |     |      |     |
| <b>Course requirements:</b>                                                                                                                                                                                              |       |                                                     |     |      |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                                |       |                                                     |     |      |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                   |       |                                                     |     |      |     |
| <b>Recommended literature:</b>                                                                                                                                                                                           |       |                                                     |     |      |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                       |       |                                                     |     |      |     |
| <b>Notes:</b>                                                                                                                                                                                                            |       |                                                     |     |      |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 33                                                                                                                                                 |       |                                                     |     |      |     |
| A                                                                                                                                                                                                                        | B     | C                                                   | D   | E    | FX  |
| 54,55                                                                                                                                                                                                                    | 36,36 | 6,06                                                | 0,0 | 3,03 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Alžbeta Blehová, CSc., Mgr. Renáta Švubová, PhD.                                                                                                                                            |       |                                                     |     |      |     |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                                           |       |                                                     |     |      |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                                      |       |                                                     |     |      |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                          |       |                                                                          |      |      |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------|------|------|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                     |       |                                                                          |      |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                              |       |                                                                          |      |      |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-109/15                                                                                                                                                                              |       | <b>Course title:</b><br>Manipulation of Cells and genes in Higher Plants |      |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 28 / 28<br><b>Form of the course:</b> on-site learning |       |                                                                          |      |      |     |
| <b>Number of credits:</b> 5                                                                                                                                                                                              |       |                                                                          |      |      |     |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                          |       |                                                                          |      |      |     |
| <b>Educational level:</b> II.                                                                                                                                                                                            |       |                                                                          |      |      |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                    |       |                                                                          |      |      |     |
| <b>Course requirements:</b>                                                                                                                                                                                              |       |                                                                          |      |      |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                                |       |                                                                          |      |      |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                   |       |                                                                          |      |      |     |
| <b>Recommended literature:</b>                                                                                                                                                                                           |       |                                                                          |      |      |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                       |       |                                                                          |      |      |     |
| <b>Notes:</b>                                                                                                                                                                                                            |       |                                                                          |      |      |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 35                                                                                                                                                 |       |                                                                          |      |      |     |
| A                                                                                                                                                                                                                        | B     | C                                                                        | D    | E    | FX  |
| 25,71                                                                                                                                                                                                                    | 25,71 | 22,86                                                                    | 20,0 | 5,71 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Alžbeta Blehová, CSc., Mgr. Viktor Demko, PhD., Mgr. Renáta Švubová, PhD., doc. RNDr. Ján Jásik, DrSc., Mgr. Boris Bokor, PhD.                                                              |       |                                                                          |      |      |     |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                                           |       |                                                                          |      |      |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                                      |       |                                                                          |      |      |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                                                                                                                                                       |      |                                              |     |     |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                                                                                                                                                                  |      |                                              |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                           |      |                                              |     |     |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-113/15                                                                                                                                                                                                                                                                                                                                           |      | <b>Course title:</b><br>Master Thesis Praxis |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practice<br><b>Number of hours:</b><br><b>per week:</b> 120 <b>per level/semester:</b> 1680<br><b>Form of the course:</b> on-site learning                                                                                                                                                                               |      |                                              |     |     |     |
| <b>Number of credits:</b> 4                                                                                                                                                                                                                                                                                                                                                           |      |                                              |     |     |     |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                                                                                                                                                                                       |      |                                              |     |     |     |
| <b>Educational level:</b> II.                                                                                                                                                                                                                                                                                                                                                         |      |                                              |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                 |      |                                              |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                                                                                                                                                                                                           |      |                                              |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                                                                                                                                                                                             |      |                                              |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                                                                                                                                                                                |      |                                              |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                                                                                                                                                                                                        |      |                                              |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                                                                                                                                                                    |      |                                              |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                                                                                                                                                                                                         |      |                                              |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 32                                                                                                                                                                                                                                                                                                              |      |                                              |     |     |     |
| A                                                                                                                                                                                                                                                                                                                                                                                     | B    | C                                            | D   | E   | FX  |
| 96,88                                                                                                                                                                                                                                                                                                                                                                                 | 3,13 | 0,0                                          | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Alexander Lux, CSc., doc. RNDr. Ľudmila Slováková, CSc., doc. RNDr. Alžbeta Blehová, CSc., doc. Mgr. Andrej Pavlovič, PhD., RNDr. Zuzana Lukačová, PhD., Mgr. Michal Martinka, PhD., Mgr. Renáta Švubová, PhD., doc. RNDr. Marek Vaculík, PhD., Mgr. Boris Bokor, PhD., Mgr. Viktor Demko, PhD., RNDr. Jana Kohanová, PhD., RNDr. Karin Kollárová, PhD. |      |                                              |     |     |     |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                                                                                                                                                                                                        |      |                                              |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                                                                                                                                                                                                   |      |                                              |     |     |     |

## STATE EXAM DESCRIPTION

|                                                      |                                           |
|------------------------------------------------------|-------------------------------------------|
| <b>University:</b> Comenius University in Bratislava |                                           |
| <b>Faculty:</b> Faculty of Natural Sciences          |                                           |
| <b>Course ID:</b><br>PriF.KFR/N-BIFR-956/15          | <b>Course title:</b><br>Molecular Biology |
| <b>Number of credits:</b> 1                          |                                           |
| <b>Educational level:</b> II.                        |                                           |
| <b>State exam syllabus:</b>                          |                                           |
| <b>Last change:</b>                                  |                                           |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.  |                                           |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                          |       |                                                          |       |      |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------|-------|------|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                     |       |                                                          |       |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                              |       |                                                          |       |      |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-120/15                                                                                                                                                                              |       | <b>Course title:</b><br>Molecular Biology of Plant Cells |       |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 28 / 28<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> II.                                                                                                                                                                                            |       |                                                          |       |      |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                    |       |                                                          |       |      |     |
| <b>Course requirements:</b>                                                                                                                                                                                              |       |                                                          |       |      |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                                |       |                                                          |       |      |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                   |       |                                                          |       |      |     |
| <b>Recommended literature:</b>                                                                                                                                                                                           |       |                                                          |       |      |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                       |       |                                                          |       |      |     |
| <b>Notes:</b>                                                                                                                                                                                                            |       |                                                          |       |      |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 34                                                                                                                                                 |       |                                                          |       |      |     |
| A                                                                                                                                                                                                                        | B     | C                                                        | D     | E    | FX  |
| 17,65                                                                                                                                                                                                                    | 29,41 | 29,41                                                    | 20,59 | 2,94 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Alžbeta Blehová, CSc., Mgr. Viktor Demko, PhD., Mgr. Boris Bokor, PhD.                                                                                                                      |       |                                                          |       |      |     |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                                           |       |                                                          |       |      |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                                      |       |                                                          |       |      |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                             |       |                                                           |       |       |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------|-------|-------|------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                        |       |                                                           |       |       |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                 |       |                                                           |       |       |      |
| <b>Course ID:</b><br>PriF.KBCh/N-mCBI-107/15                                                                                                                                                                |       | <b>Course title:</b><br>Molecular Biology of the Cell (2) |       |       |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 4 <b>per level/semester:</b> 56<br><b>Form of the course:</b> on-site learning          |       |                                                           |       |       |      |
| <b>Number of credits:</b> 6                                                                                                                                                                                 |       |                                                           |       |       |      |
| <b>Recommended semester:</b> 2.                                                                                                                                                                             |       |                                                           |       |       |      |
| <b>Educational level:</b> II.                                                                                                                                                                               |       |                                                           |       |       |      |
| <b>Prerequisites:</b>                                                                                                                                                                                       |       |                                                           |       |       |      |
| <b>Course requirements:</b>                                                                                                                                                                                 |       |                                                           |       |       |      |
| <b>Learning outcomes:</b>                                                                                                                                                                                   |       |                                                           |       |       |      |
| <b>Class syllabus:</b>                                                                                                                                                                                      |       |                                                           |       |       |      |
| <b>Recommended literature:</b>                                                                                                                                                                              |       |                                                           |       |       |      |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                          |       |                                                           |       |       |      |
| <b>Notes:</b>                                                                                                                                                                                               |       |                                                           |       |       |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 193                                                                                                                                   |       |                                                           |       |       |      |
| A                                                                                                                                                                                                           | B     | C                                                         | D     | E     | FX   |
| 6,22                                                                                                                                                                                                        | 14,51 | 23,83                                                     | 29,53 | 23,83 | 2,07 |
| <b>Lecturers:</b> doc. Mgr. Peter Polčic, PhD., doc. RNDr. Igor Zeman, PhD., doc. RNDr. Marek Mentel, PhD., prof. RNDr. Ľubomír Tomáška, DrSc., Mgr. Katarína Gaplovská, PhD., doc. RNDr. Ivan Valent, CSc. |       |                                                           |       |       |      |
| <b>Last change:</b> 10.01.2020                                                                                                                                                                              |       |                                                           |       |       |      |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                         |       |                                                           |       |       |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |       |                                                                     |      |      |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------|------|------|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |       |                                                                     |      |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                                     |      |      |     |
| <b>Course ID:</b><br>PriF.KBCh/N-mCBI-118/15                                                                                                                                                       |       | <b>Course title:</b><br>Molecular Biology of the Cell (2) - Seminar |      |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |       |                                                                     |      |      |     |
| <b>Number of credits:</b> 2                                                                                                                                                                        |       |                                                                     |      |      |     |
| <b>Recommended semester:</b> 2.                                                                                                                                                                    |       |                                                                     |      |      |     |
| <b>Educational level:</b> II.                                                                                                                                                                      |       |                                                                     |      |      |     |
| <b>Prerequisites:</b>                                                                                                                                                                              |       |                                                                     |      |      |     |
| <b>Course requirements:</b>                                                                                                                                                                        |       |                                                                     |      |      |     |
| <b>Learning outcomes:</b>                                                                                                                                                                          |       |                                                                     |      |      |     |
| <b>Class syllabus:</b>                                                                                                                                                                             |       |                                                                     |      |      |     |
| <b>Recommended literature:</b>                                                                                                                                                                     |       |                                                                     |      |      |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |       |                                                                     |      |      |     |
| <b>Notes:</b>                                                                                                                                                                                      |       |                                                                     |      |      |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 179                                                                                                                          |       |                                                                     |      |      |     |
| A                                                                                                                                                                                                  | B     | C                                                                   | D    | E    | FX  |
| 50,84                                                                                                                                                                                              | 36,31 | 8,94                                                                | 1,68 | 2,23 | 0,0 |
| <b>Lecturers:</b> doc. Mgr. Peter Polčic, PhD., Mgr. Katarína Gaplovská, PhD.                                                                                                                      |       |                                                                     |      |      |     |
| <b>Last change:</b> 27.09.2017                                                                                                                                                                     |       |                                                                     |      |      |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                |       |                                                                     |      |      |     |



## COURSE DESCRIPTION

|                                                                                                                                                                                                    |       |                                                           |       |       |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------|-------|-------|------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |       |                                                           |       |       |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                           |       |       |      |
| <b>Course ID:</b><br>PriF.KGe/N-mBGE-101/15                                                                                                                                                        |       | <b>Course title:</b><br>Molecular biology of the cell (1) |       |       |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 4 <b>per level/semester:</b> 56<br><b>Form of the course:</b> on-site learning |       |                                                           |       |       |      |
| <b>Number of credits:</b> 6                                                                                                                                                                        |       |                                                           |       |       |      |
| <b>Recommended semester:</b> 1.                                                                                                                                                                    |       |                                                           |       |       |      |
| <b>Educational level:</b> II.                                                                                                                                                                      |       |                                                           |       |       |      |
| <b>Prerequisites:</b>                                                                                                                                                                              |       |                                                           |       |       |      |
| <b>Course requirements:</b>                                                                                                                                                                        |       |                                                           |       |       |      |
| <b>Learning outcomes:</b>                                                                                                                                                                          |       |                                                           |       |       |      |
| <b>Class syllabus:</b>                                                                                                                                                                             |       |                                                           |       |       |      |
| <b>Recommended literature:</b>                                                                                                                                                                     |       |                                                           |       |       |      |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |       |                                                           |       |       |      |
| <b>Notes:</b>                                                                                                                                                                                      |       |                                                           |       |       |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 211                                                                                                                          |       |                                                           |       |       |      |
| A                                                                                                                                                                                                  | B     | C                                                         | D     | E     | FX   |
| 17,06                                                                                                                                                                                              | 16,11 | 21,33                                                     | 19,91 | 24,64 | 0,95 |
| <b>Lecturers:</b> prof. RNDr. Ľubomír Tomáška, DrSc., doc. RNDr. Igor Zeman, PhD., Ing. Martina Neboháčová, PhD., prof. RNDr. Jozef Nosek, DrSc.                                                   |       |                                                           |       |       |      |
| <b>Last change:</b> 25.09.2017                                                                                                                                                                     |       |                                                           |       |       |      |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                |       |                                                           |       |       |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                          |       |                                        |       |       |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------|-------|-------|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                     |       |                                        |       |       |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                              |       |                                        |       |       |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-107/15                                                                                                                                                                              |       | <b>Course title:</b><br>Photosynthesis |       |       |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture<br><b>Number of hours:</b><br><b>per week:</b> 3 / 2 <b>per level/semester:</b> 42 / 28<br><b>Form of the course:</b> on-site learning |       |                                        |       |       |     |
| <b>Number of credits:</b> 6                                                                                                                                                                                              |       |                                        |       |       |     |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                          |       |                                        |       |       |     |
| <b>Educational level:</b> II.                                                                                                                                                                                            |       |                                        |       |       |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                    |       |                                        |       |       |     |
| <b>Course requirements:</b>                                                                                                                                                                                              |       |                                        |       |       |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                                |       |                                        |       |       |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                   |       |                                        |       |       |     |
| <b>Recommended literature:</b>                                                                                                                                                                                           |       |                                        |       |       |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                       |       |                                        |       |       |     |
| <b>Notes:</b>                                                                                                                                                                                                            |       |                                        |       |       |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 34                                                                                                                                                 |       |                                        |       |       |     |
| A                                                                                                                                                                                                                        | B     | C                                      | D     | E     | FX  |
| 14,71                                                                                                                                                                                                                    | 14,71 | 29,41                                  | 26,47 | 14,71 | 0,0 |
| <b>Lecturers:</b> doc. Mgr. Andrej Pavlovič, PhD., doc. RNDr. Ľudmila Slováková, CSc.                                                                                                                                    |       |                                        |       |       |     |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                                           |       |                                        |       |       |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                                      |       |                                        |       |       |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                       |      |                                            |     |     |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                  |      |                                            |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |      |                                            |     |     |     |
| <b>Course ID:</b><br>PriF.KTV/N-mXTV-107/18                                                                                                                                                           |      | <b>Course title:</b><br>Physical Education |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |      |                                            |     |     |     |
| <b>Number of credits:</b> 1                                                                                                                                                                           |      |                                            |     |     |     |
| <b>Recommended semester:</b> 1.                                                                                                                                                                       |      |                                            |     |     |     |
| <b>Educational level:</b> I., II.                                                                                                                                                                     |      |                                            |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                 |      |                                            |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                           |      |                                            |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                             |      |                                            |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                                |      |                                            |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                        |      |                                            |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                    |      |                                            |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                         |      |                                            |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 110                                                                                                                             |      |                                            |     |     |     |
| A                                                                                                                                                                                                     | B    | C                                          | D   | E   | FX  |
| 98,18                                                                                                                                                                                                 | 1,82 | 0,0                                        | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Kristína Füzéková, PaedDr. Vladimír Hubka, Mgr. Miriam Kirchmayerová, PhD., Mgr. Ján Krošlák, Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková   |      |                                            |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                   |      |                                            |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                   |      |                                            |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                       |     |                                            |     |     |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                  |     |                                            |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |     |                                            |     |     |     |
| <b>Course ID:</b><br>PriF.KTV/N-mXTV-109/18                                                                                                                                                           |     | <b>Course title:</b><br>Physical Education |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |     |                                            |     |     |     |
| <b>Number of credits:</b> 1                                                                                                                                                                           |     |                                            |     |     |     |
| <b>Recommended semester:</b> 3.                                                                                                                                                                       |     |                                            |     |     |     |
| <b>Educational level:</b> I., II.                                                                                                                                                                     |     |                                            |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                 |     |                                            |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                           |     |                                            |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                             |     |                                            |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                                |     |                                            |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                        |     |                                            |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                    |     |                                            |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                         |     |                                            |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 126                                                                                                                             |     |                                            |     |     |     |
| A                                                                                                                                                                                                     | B   | C                                          | D   | E   | FX  |
| 100,0                                                                                                                                                                                                 | 0,0 | 0,0                                        | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Kristína Füzéková, PaedDr. Vladimír Hubka, Mgr. Miriam Kirchmayerová, PhD., Mgr. Ján Krošlák, Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková   |     |                                            |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                   |     |                                            |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                   |     |                                            |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                       |     |                                               |     |     |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                  |     |                                               |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |     |                                               |     |     |     |
| <b>Course ID:</b><br>PriF.KTV/N-mXTV-110/18                                                                                                                                                           |     | <b>Course title:</b><br>Physical Education 10 |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |     |                                               |     |     |     |
| <b>Number of credits:</b> 1                                                                                                                                                                           |     |                                               |     |     |     |
| <b>Recommended semester:</b> 4.                                                                                                                                                                       |     |                                               |     |     |     |
| <b>Educational level:</b> I., II.                                                                                                                                                                     |     |                                               |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                 |     |                                               |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                           |     |                                               |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                             |     |                                               |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                                |     |                                               |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                        |     |                                               |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                    |     |                                               |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                         |     |                                               |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 104                                                                                                                             |     |                                               |     |     |     |
| A                                                                                                                                                                                                     | B   | C                                             | D   | E   | FX  |
| 100,0                                                                                                                                                                                                 | 0,0 | 0,0                                           | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Kristína Füzeková, PaedDr. Vladimír Hubka, Mgr. Miriam Kirchmayerová, PhD., Mgr. Ján Krošlák, Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková   |     |                                               |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                   |     |                                               |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                   |     |                                               |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                       |     |                                              |     |     |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                  |     |                                              |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                           |     |                                              |     |     |     |
| <b>Course ID:</b><br>PriF.KTV/N-mXTV-108/18                                                                                                                                                           |     | <b>Course title:</b><br>Physical Education 8 |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |     |                                              |     |     |     |
| <b>Number of credits:</b> 1                                                                                                                                                                           |     |                                              |     |     |     |
| <b>Recommended semester:</b> 2.                                                                                                                                                                       |     |                                              |     |     |     |
| <b>Educational level:</b> I., II.                                                                                                                                                                     |     |                                              |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                 |     |                                              |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                           |     |                                              |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                             |     |                                              |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                                |     |                                              |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                        |     |                                              |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                    |     |                                              |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                         |     |                                              |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 143                                                                                                                             |     |                                              |     |     |     |
| A                                                                                                                                                                                                     | B   | C                                            | D   | E   | FX  |
| 100,0                                                                                                                                                                                                 | 0,0 | 0,0                                          | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Kristína Füzéková, PaedDr. Vladimír Hubka, Mgr. Miriam Kirchmayerová, PhD., Mgr. Ján Krošlák, Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková   |     |                                              |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                   |     |                                              |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                   |     |                                              |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                          |      |                                                           |      |      |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------------------------------------------|------|------|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                     |      |                                                           |      |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                              |      |                                                           |      |      |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-101/15                                                                                                                                                                              |      | <b>Course title:</b><br>Physiology of Plants under Stress |      |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 28 / 28<br><b>Form of the course:</b> on-site learning |      |                                                           |      |      |     |
| <b>Number of credits:</b> 5                                                                                                                                                                                              |      |                                                           |      |      |     |
| <b>Recommended semester:</b> 1.                                                                                                                                                                                          |      |                                                           |      |      |     |
| <b>Educational level:</b> II.                                                                                                                                                                                            |      |                                                           |      |      |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                    |      |                                                           |      |      |     |
| <b>Course requirements:</b>                                                                                                                                                                                              |      |                                                           |      |      |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                                |      |                                                           |      |      |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                   |      |                                                           |      |      |     |
| <b>Recommended literature:</b>                                                                                                                                                                                           |      |                                                           |      |      |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                       |      |                                                           |      |      |     |
| <b>Notes:</b>                                                                                                                                                                                                            |      |                                                           |      |      |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 36                                                                                                                                                 |      |                                                           |      |      |     |
| A                                                                                                                                                                                                                        | B    | C                                                         | D    | E    | FX  |
| 30,56                                                                                                                                                                                                                    | 25,0 | 30,56                                                     | 5,56 | 8,33 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Ľudmila Slováková, CSc., doc. RNDr. Marek Vaculík, PhD.                                                                                                                                     |      |                                                           |      |      |     |
| <b>Last change:</b> 26.02.2018                                                                                                                                                                                           |      |                                                           |      |      |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                                      |      |                                                           |      |      |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |       |                                                                    |     |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |       |                                                                    |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                                    |     |     |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-115/15                                                                                                                                                        |       | <b>Course title:</b><br>Plant Cell Signal and Regulatory Molecules |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 <b>per level/semester:</b> 14<br><b>Form of the course:</b> on-site learning |       |                                                                    |     |     |     |
| <b>Number of credits:</b> 1                                                                                                                                                                        |       |                                                                    |     |     |     |
| <b>Recommended semester:</b> 4.                                                                                                                                                                    |       |                                                                    |     |     |     |
| <b>Educational level:</b> II.                                                                                                                                                                      |       |                                                                    |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                              |       |                                                                    |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                        |       |                                                                    |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                          |       |                                                                    |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                             |       |                                                                    |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                     |       |                                                                    |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |       |                                                                    |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                      |       |                                                                    |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 18                                                                                                                           |       |                                                                    |     |     |     |
| A                                                                                                                                                                                                  | B     | C                                                                  | D   | E   | FX  |
| 77,78                                                                                                                                                                                              | 16,67 | 5,56                                                               | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> RNDr. Karin Kollárová, PhD., Mgr. Zuzana Vivodová, PhD., Mgr. Viktor Demko, PhD.                                                                                                 |       |                                                                    |     |     |     |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                     |       |                                                                    |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                |       |                                                                    |     |     |     |



## STATE EXAM DESCRIPTION

|                                                      |                                                    |
|------------------------------------------------------|----------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava |                                                    |
| <b>Faculty:</b> Faculty of Natural Sciences          |                                                    |
| <b>Course ID:</b><br>PriF.KFR/N-BIFR-954/15          | <b>Course title:</b><br>Plant Cytology and Anatomy |
| <b>Number of credits:</b> 2                          |                                                    |
| <b>Educational level:</b> II.                        |                                                    |
| <b>State exam syllabus:</b>                          |                                                    |
| <b>Last change:</b>                                  |                                                    |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.  |                                                    |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |       |                                  |       |      |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------|-------|------|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |       |                                  |       |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                  |       |      |     |
| <b>Course ID:</b><br>PriF.KMB/N-mBMO-106/15                                                                                                                                                        |       | <b>Course title:</b><br>Proteins |       |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |       |                                  |       |      |     |
| <b>Number of credits:</b> 3                                                                                                                                                                        |       |                                  |       |      |     |
| <b>Recommended semester:</b> 3.                                                                                                                                                                    |       |                                  |       |      |     |
| <b>Educational level:</b> II.                                                                                                                                                                      |       |                                  |       |      |     |
| <b>Prerequisites:</b>                                                                                                                                                                              |       |                                  |       |      |     |
| <b>Course requirements:</b>                                                                                                                                                                        |       |                                  |       |      |     |
| <b>Learning outcomes:</b>                                                                                                                                                                          |       |                                  |       |      |     |
| <b>Class syllabus:</b>                                                                                                                                                                             |       |                                  |       |      |     |
| <b>Recommended literature:</b>                                                                                                                                                                     |       |                                  |       |      |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |       |                                  |       |      |     |
| <b>Notes:</b>                                                                                                                                                                                      |       |                                  |       |      |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 201                                                                                                                          |       |                                  |       |      |     |
| A                                                                                                                                                                                                  | B     | C                                | D     | E    | FX  |
| 29,35                                                                                                                                                                                              | 30,35 | 23,38                            | 14,93 | 1,99 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Jozef Grones, CSc.                                                                                                                                                    |       |                                  |       |      |     |
| <b>Last change:</b> 10.08.2018                                                                                                                                                                     |       |                                  |       |      |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                |       |                                  |       |      |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                          |       |                                     |       |      |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------|-------|------|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                     |       |                                     |       |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                              |       |                                     |       |      |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-103/15                                                                                                                                                                              |       | <b>Course title:</b><br>Respiration |       |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals / lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 28 / 28<br><b>Form of the course:</b> on-site learning |       |                                     |       |      |     |
| <b>Number of credits:</b> 5                                                                                                                                                                                              |       |                                     |       |      |     |
| <b>Recommended semester:</b> 1.                                                                                                                                                                                          |       |                                     |       |      |     |
| <b>Educational level:</b> II.                                                                                                                                                                                            |       |                                     |       |      |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                    |       |                                     |       |      |     |
| <b>Course requirements:</b>                                                                                                                                                                                              |       |                                     |       |      |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                                |       |                                     |       |      |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                   |       |                                     |       |      |     |
| <b>Recommended literature:</b>                                                                                                                                                                                           |       |                                     |       |      |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                       |       |                                     |       |      |     |
| <b>Notes:</b>                                                                                                                                                                                                            |       |                                     |       |      |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 34                                                                                                                                                 |       |                                     |       |      |     |
| A                                                                                                                                                                                                                        | B     | C                                   | D     | E    | FX  |
| 11,76                                                                                                                                                                                                                    | 20,59 | 47,06                               | 17,65 | 2,94 | 0,0 |
| <b>Lecturers:</b> doc. Mgr. Andrej Pavlovič, PhD., doc. RNDr. Ľudmila Slováková, CSc.                                                                                                                                    |       |                                     |       |      |     |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                                           |       |                                     |       |      |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                                      |       |                                     |       |      |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                                                                                               |       |                                                                              |     |       |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------|-----|-------|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                                                                                                          |       |                                                                              |     |       |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                   |       |                                                                              |     |       |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-122/15                                                                                                                                                                                                                                                                                   |       | <b>Course title:</b><br>Selected Chapters from Plant Cytology and Physiology |     |       |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning                                                                                                                            |       |                                                                              |     |       |     |
| <b>Number of credits:</b> 3                                                                                                                                                                                                                                                                                                   |       |                                                                              |     |       |     |
| <b>Recommended semester:</b> 4.                                                                                                                                                                                                                                                                                               |       |                                                                              |     |       |     |
| <b>Educational level:</b> II.                                                                                                                                                                                                                                                                                                 |       |                                                                              |     |       |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                         |       |                                                                              |     |       |     |
| <b>Course requirements:</b>                                                                                                                                                                                                                                                                                                   |       |                                                                              |     |       |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                                                                                                                                     |       |                                                                              |     |       |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                                                                                                                        |       |                                                                              |     |       |     |
| <b>Recommended literature:</b>                                                                                                                                                                                                                                                                                                |       |                                                                              |     |       |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                                                                                                            |       |                                                                              |     |       |     |
| <b>Notes:</b>                                                                                                                                                                                                                                                                                                                 |       |                                                                              |     |       |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 30                                                                                                                                                                                                                                                      |       |                                                                              |     |       |     |
| A                                                                                                                                                                                                                                                                                                                             | B     | C                                                                            | D   | E     | FX  |
| 43,33                                                                                                                                                                                                                                                                                                                         | 23,33 | 16,67                                                                        | 0,0 | 16,67 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Alexander Lux, CSc., doc. RNDr. Ľudmila Slováková, CSc., doc. RNDr. Alžbeta Blehová, CSc., doc. Mgr. Andrej Pavlovič, PhD., RNDr. Zuzana Lukačová, PhD., Mgr. Renáta Švubová, PhD., Mgr. Michal Martinka, PhD., doc. RNDr. Marek Vaculík, PhD., Mgr. Boris Bokor, PhD., Mgr. Viktor Demko, PhD. |       |                                                                              |     |       |     |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                                                                                                                                                |       |                                                                              |     |       |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                                                                                                                                           |       |                                                                              |     |       |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |       |                                                                        |      |      |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------|------|------|------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |       |                                                                        |      |      |      |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |       |                                                                        |      |      |      |
| <b>Course ID:</b><br>PriF.KGe/N-mBGE-100/15                                                                                                                                                        |       | <b>Course title:</b><br>Seminar from molecular biology of the cell (1) |      |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |       |                                                                        |      |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                        |       |                                                                        |      |      |      |
| <b>Recommended semester:</b> 1.                                                                                                                                                                    |       |                                                                        |      |      |      |
| <b>Educational level:</b> II.                                                                                                                                                                      |       |                                                                        |      |      |      |
| <b>Prerequisites:</b>                                                                                                                                                                              |       |                                                                        |      |      |      |
| <b>Course requirements:</b>                                                                                                                                                                        |       |                                                                        |      |      |      |
| <b>Learning outcomes:</b>                                                                                                                                                                          |       |                                                                        |      |      |      |
| <b>Class syllabus:</b>                                                                                                                                                                             |       |                                                                        |      |      |      |
| <b>Recommended literature:</b>                                                                                                                                                                     |       |                                                                        |      |      |      |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |       |                                                                        |      |      |      |
| <b>Notes:</b>                                                                                                                                                                                      |       |                                                                        |      |      |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 197                                                                                                                          |       |                                                                        |      |      |      |
| A                                                                                                                                                                                                  | B     | C                                                                      | D    | E    | FX   |
| 49,24                                                                                                                                                                                              | 29,95 | 14,21                                                                  | 4,06 | 2,03 | 0,51 |
| <b>Lecturers:</b> RNDr. Regina Sepšiová, PhD., Ing. Martina Neboháčová, PhD., Mgr. Katarína Gaplovská, PhD., Mgr. Ján Frankovský                                                                   |       |                                                                        |      |      |      |
| <b>Last change:</b> 15.11.2017                                                                                                                                                                     |       |                                                                        |      |      |      |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                |       |                                                                        |      |      |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |     |                                                       |     |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |     |                                                       |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |     |                                                       |     |     |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-104/15                                                                                                                                                        |     | <b>Course title:</b><br>Seminar in Plant Physiology 1 |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |     |                                                       |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                        |     |                                                       |     |     |     |
| <b>Recommended semester:</b> 1.                                                                                                                                                                    |     |                                                       |     |     |     |
| <b>Educational level:</b> II.                                                                                                                                                                      |     |                                                       |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                              |     |                                                       |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                        |     |                                                       |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                          |     |                                                       |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                             |     |                                                       |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                     |     |                                                       |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |     |                                                       |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                      |     |                                                       |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 33                                                                                                                           |     |                                                       |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                     | D   | E   | FX  |
| 100,0                                                                                                                                                                                              | 0,0 | 0,0                                                   | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Alžbeta Blehová, CSc.                                                                                                                                                 |     |                                                       |     |     |     |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                     |     |                                                       |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                |     |                                                       |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |     |                                                       |     |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |     |                                                       |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |     |                                                       |     |     |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-105/15                                                                                                                                                        |     | <b>Course title:</b><br>Seminar in Plant Physiology 2 |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |     |                                                       |     |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                        |     |                                                       |     |     |     |
| <b>Recommended semester:</b> 2.                                                                                                                                                                    |     |                                                       |     |     |     |
| <b>Educational level:</b> II.                                                                                                                                                                      |     |                                                       |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                              |     |                                                       |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                        |     |                                                       |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                          |     |                                                       |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                             |     |                                                       |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                     |     |                                                       |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |     |                                                       |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                      |     |                                                       |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 33                                                                                                                           |     |                                                       |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                     | D   | E   | FX  |
| 100,0                                                                                                                                                                                              | 0,0 | 0,0                                                   | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> RNDr. Zuzana Lukačová, PhD., Mgr. Renáta Švubová, PhD.                                                                                                                           |     |                                                       |     |     |     |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                     |     |                                                       |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                |     |                                                       |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |      |                                                       |     |      |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------------|-----|------|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |      |                                                       |     |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |      |                                                       |     |      |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-116/15                                                                                                                                                        |      | <b>Course title:</b><br>Seminar in Plant Physiology 3 |     |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |      |                                                       |     |      |     |
| <b>Number of credits:</b> 2                                                                                                                                                                        |      |                                                       |     |      |     |
| <b>Recommended semester:</b> 3.                                                                                                                                                                    |      |                                                       |     |      |     |
| <b>Educational level:</b> II.                                                                                                                                                                      |      |                                                       |     |      |     |
| <b>Prerequisites:</b>                                                                                                                                                                              |      |                                                       |     |      |     |
| <b>Course requirements:</b>                                                                                                                                                                        |      |                                                       |     |      |     |
| <b>Learning outcomes:</b>                                                                                                                                                                          |      |                                                       |     |      |     |
| <b>Class syllabus:</b>                                                                                                                                                                             |      |                                                       |     |      |     |
| <b>Recommended literature:</b>                                                                                                                                                                     |      |                                                       |     |      |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |      |                                                       |     |      |     |
| <b>Notes:</b>                                                                                                                                                                                      |      |                                                       |     |      |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 32                                                                                                                           |      |                                                       |     |      |     |
| A                                                                                                                                                                                                  | B    | C                                                     | D   | E    | FX  |
| 50,0                                                                                                                                                                                               | 37,5 | 6,25                                                  | 0,0 | 6,25 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Alexander Lux, CSc., doc. Mgr. Andrej Pavlovič, PhD.                                                                                                                 |      |                                                       |     |      |     |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                     |      |                                                       |     |      |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                |      |                                                       |     |      |     |



## COURSE DESCRIPTION

|                                                                                                                                                                                                    |      |                                                       |     |      |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------------|-----|------|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |      |                                                       |     |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                        |      |                                                       |     |      |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-117/15                                                                                                                                                        |      | <b>Course title:</b><br>Seminar in Plant Physiology 4 |     |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |      |                                                       |     |      |     |
| <b>Number of credits:</b> 2                                                                                                                                                                        |      |                                                       |     |      |     |
| <b>Recommended semester:</b> 4.                                                                                                                                                                    |      |                                                       |     |      |     |
| <b>Educational level:</b> II.                                                                                                                                                                      |      |                                                       |     |      |     |
| <b>Prerequisites:</b>                                                                                                                                                                              |      |                                                       |     |      |     |
| <b>Course requirements:</b>                                                                                                                                                                        |      |                                                       |     |      |     |
| <b>Learning outcomes:</b>                                                                                                                                                                          |      |                                                       |     |      |     |
| <b>Class syllabus:</b>                                                                                                                                                                             |      |                                                       |     |      |     |
| <b>Recommended literature:</b>                                                                                                                                                                     |      |                                                       |     |      |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |      |                                                       |     |      |     |
| <b>Notes:</b>                                                                                                                                                                                      |      |                                                       |     |      |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 32                                                                                                                           |      |                                                       |     |      |     |
| A                                                                                                                                                                                                  | B    | C                                                     | D   | E    | FX  |
| 90,63                                                                                                                                                                                              | 6,25 | 0,0                                                   | 0,0 | 3,13 | 0,0 |
| <b>Lecturers:</b> Mgr. Michal Martinka, PhD.                                                                                                                                                       |      |                                                       |     |      |     |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                     |      |                                                       |     |      |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                |      |                                                       |     |      |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                                                                                                                                                                                   |      |                                                         |     |      |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------|-----|------|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                                                                                                                                                                                              |      |                                                         |     |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                       |      |                                                         |     |      |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-114/15                                                                                                                                                                                                                                                                                                                                                                       |      | <b>Course title:</b><br>Special Master Thesis Seminar 1 |     |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week: 2 per level/semester: 28</b><br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                       |      |                                                         |     |      |     |
| <b>Number of credits:</b> 2                                                                                                                                                                                                                                                                                                                                                                                       |      |                                                         |     |      |     |
| <b>Recommended semester:</b> 3.                                                                                                                                                                                                                                                                                                                                                                                   |      |                                                         |     |      |     |
| <b>Educational level:</b> II.                                                                                                                                                                                                                                                                                                                                                                                     |      |                                                         |     |      |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                                             |      |                                                         |     |      |     |
| <b>Course requirements:</b>                                                                                                                                                                                                                                                                                                                                                                                       |      |                                                         |     |      |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                                                                                                                                                                                                                         |      |                                                         |     |      |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                                                                                                                                                                                                            |      |                                                         |     |      |     |
| <b>Recommended literature:</b>                                                                                                                                                                                                                                                                                                                                                                                    |      |                                                         |     |      |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                                                                                                                                                                                                |      |                                                         |     |      |     |
| <b>Notes:</b>                                                                                                                                                                                                                                                                                                                                                                                                     |      |                                                         |     |      |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 29                                                                                                                                                                                                                                                                                                                                          |      |                                                         |     |      |     |
| A                                                                                                                                                                                                                                                                                                                                                                                                                 | B    | C                                                       | D   | E    | FX  |
| 86,21                                                                                                                                                                                                                                                                                                                                                                                                             | 3,45 | 0,0                                                     | 6,9 | 3,45 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Alexander Lux, CSc., doc. RNDr. Ľudmila Slováková, CSc., doc. RNDr. Alžbeta Blehová, CSc., doc. Mgr. Andrej Pavlovič, PhD., RNDr. Zuzana Lukačová, PhD., doc. RNDr. Marek Vaculík, PhD., Mgr. Renáta Švubová, PhD., Mgr. Michal Martinka, PhD., Mgr. Boris Bokor, PhD., Mgr. Viktor Demko, PhD., RNDr. Jana Kohanová, PhD., Mgr. Zuzana Vivodová, PhD., RNDr. Karin Kollárová, PhD. |      |                                                         |     |      |     |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                                                                                                                                                                                                                                    |      |                                                         |     |      |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                                                                                                                                                                                                                               |      |                                                         |     |      |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                                                                                                                                                                                                   |      |                                                         |     |      |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------|-----|------|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                                                                                                                                                                                              |      |                                                         |     |      |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                                                                                                                                                                                                                                       |      |                                                         |     |      |     |
| <b>Course ID:</b><br>PriF.KFR/N-mBFR-121/15                                                                                                                                                                                                                                                                                                                                                                       |      | <b>Course title:</b><br>Special Master Thesis Seminar 2 |     |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week: 2 per level/semester: 28</b><br><b>Form of the course:</b> on-site learning                                                                                                                                                                                                                       |      |                                                         |     |      |     |
| <b>Number of credits:</b> 2                                                                                                                                                                                                                                                                                                                                                                                       |      |                                                         |     |      |     |
| <b>Recommended semester:</b> 4.                                                                                                                                                                                                                                                                                                                                                                                   |      |                                                         |     |      |     |
| <b>Educational level:</b> II.                                                                                                                                                                                                                                                                                                                                                                                     |      |                                                         |     |      |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                                                                             |      |                                                         |     |      |     |
| <b>Course requirements:</b>                                                                                                                                                                                                                                                                                                                                                                                       |      |                                                         |     |      |     |
| <b>Learning outcomes:</b>                                                                                                                                                                                                                                                                                                                                                                                         |      |                                                         |     |      |     |
| <b>Class syllabus:</b>                                                                                                                                                                                                                                                                                                                                                                                            |      |                                                         |     |      |     |
| <b>Recommended literature:</b>                                                                                                                                                                                                                                                                                                                                                                                    |      |                                                         |     |      |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                                                                                                                                                                                                |      |                                                         |     |      |     |
| <b>Notes:</b>                                                                                                                                                                                                                                                                                                                                                                                                     |      |                                                         |     |      |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 30                                                                                                                                                                                                                                                                                                                                          |      |                                                         |     |      |     |
| A                                                                                                                                                                                                                                                                                                                                                                                                                 | B    | C                                                       | D   | E    | FX  |
| 90,0                                                                                                                                                                                                                                                                                                                                                                                                              | 3,33 | 0,0                                                     | 0,0 | 6,67 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Alexander Lux, CSc., doc. RNDr. Ľudmila Slováková, CSc., doc. RNDr. Alžbeta Blehová, CSc., doc. Mgr. Andrej Pavlovič, PhD., RNDr. Zuzana Lukačová, PhD., Mgr. Renáta Švubová, PhD., doc. RNDr. Marek Vaculík, PhD., Mgr. Boris Bokor, PhD., Mgr. Michal Martinka, PhD., RNDr. Jana Kohanová, PhD., Mgr. Viktor Demko, PhD., Mgr. Zuzana Vivodová, PhD., RNDr. Karin Kollárová, PhD. |      |                                                         |     |      |     |
| <b>Last change:</b> 22.08.2018                                                                                                                                                                                                                                                                                                                                                                                    |      |                                                         |     |      |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                                                                                                                                                                                                                                               |      |                                                         |     |      |     |

## STATE EXAM DESCRIPTION

|                                                      |                                                  |
|------------------------------------------------------|--------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava |                                                  |
| <b>Faculty:</b> Faculty of Natural Sciences          |                                                  |
| <b>Course ID:</b><br>PriF.KFR/N-BIFR-955/15          | <b>Course title:</b><br>Special Plant Physiology |
| <b>Number of credits:</b> 2                          |                                                  |
| <b>Educational level:</b> II.                        |                                                  |
| <b>State exam syllabus:</b>                          |                                                  |
| <b>Last change:</b>                                  |                                                  |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.  |                                                  |

## COURSE DESCRIPTION

|                                                                                                                                                                                                |     |                                                           |     |     |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                           |     |                                                           |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                    |     |                                                           |     |     |     |
| <b>Course ID:</b><br>PriF.KTV/N-mUXX-204/10                                                                                                                                                    |     | <b>Course title:</b><br>Summer physic-educational meeting |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> other<br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b> 7d<br><b>Form of the course:</b> on-site learning |     |                                                           |     |     |     |
| <b>Number of credits:</b> 1                                                                                                                                                                    |     |                                                           |     |     |     |
| <b>Recommended semester:</b> 2.                                                                                                                                                                |     |                                                           |     |     |     |
| <b>Educational level:</b> I., II.                                                                                                                                                              |     |                                                           |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                          |     |                                                           |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                    |     |                                                           |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                      |     |                                                           |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                         |     |                                                           |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                 |     |                                                           |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                             |     |                                                           |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                  |     |                                                           |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 50                                                                                                                       |     |                                                           |     |     |     |
| A                                                                                                                                                                                              | B   | C                                                         | D   | E   | FX  |
| 100,0                                                                                                                                                                                          | 0,0 | 0,0                                                       | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Kristína Füzéková                                                                                                                                                       |     |                                                           |     |     |     |
| <b>Last change:</b>                                                                                                                                                                            |     |                                                           |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                            |     |                                                           |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                |     |                                                           |     |     |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                           |     |                                                           |     |     |     |
| <b>Faculty:</b> Faculty of Natural Sciences                                                                                                                                                    |     |                                                           |     |     |     |
| <b>Course ID:</b><br>PriF.KTV/N-mUXX-203/10                                                                                                                                                    |     | <b>Course title:</b><br>Winter physic-educational meeting |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> other<br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b> 7d<br><b>Form of the course:</b> on-site learning |     |                                                           |     |     |     |
| <b>Number of credits:</b> 1                                                                                                                                                                    |     |                                                           |     |     |     |
| <b>Recommended semester:</b> 1., 3.                                                                                                                                                            |     |                                                           |     |     |     |
| <b>Educational level:</b> I., II.                                                                                                                                                              |     |                                                           |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                          |     |                                                           |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                    |     |                                                           |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                      |     |                                                           |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                         |     |                                                           |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                 |     |                                                           |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                             |     |                                                           |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                  |     |                                                           |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 157                                                                                                                      |     |                                                           |     |     |     |
| A                                                                                                                                                                                              | B   | C                                                         | D   | E   | FX  |
| 100,0                                                                                                                                                                                          | 0,0 | 0,0                                                       | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Martin Mokošák, PhD.                                                                                                                                                    |     |                                                           |     |     |     |
| <b>Last change:</b>                                                                                                                                                                            |     |                                                           |     |     |     |
| <b>Approved by:</b> prof. RNDr. Alexander Lux, CSc.                                                                                                                                            |     |                                                           |     |     |     |