

## Course descriptions

### TABLE OF CONTENTS

|                     |  |    |
|---------------------|--|----|
| 1. 2-prUFYx-302/21  | Astronomy and Meteorology.....                       | 2  |
| 2. 2-prUFYx-205/21  | Atomic and Nuclear Physics.....                      | 3  |
| 3. 2-prUFYx-116/21  | Didactics of Physics.....                            | 4  |
| 4. 2-prUFYx-913/21  | Didactics of Physics ( <b>state exam</b> ).....      | 5  |
| 5. 2-prUFYx-901/21  | Diploma Thesis Project.....                          | 6  |
| 6. 2-prUFYx-202/21  | Electromagnetism.....                                | 7  |
| 7. 2-prUFYx-301/21  | Electronics and Communication for Teachers.....      | 8  |
| 8. 2-prUFYx-206/21  | Experimental Methods in Physics.....                 | 9  |
| 9. 2-prUFYx-114/21  | Introduction to Class Experiments.....               | 10 |
| 10. 2-prUFYx-111/21 | Introduction to Didactics of Physics.....            | 11 |
| 11. 2-prUFYx-201/21 | Mathematical Methods for Solving Physical Tasks..... | 12 |
| 12. 2-prUFYx-101/21 | Mathematical Methods in Physics.....                 | 13 |
| 13. 2-prUFYx-102/21 | Mechanics.....                                       | 14 |
| 14. 2-prUFYx-113/21 | Methods for Solving Physical Tasks.....              | 15 |
| 15. 2-prUFYx-207/21 | Molecular Physics and Thermodynamics.....            | 16 |
| 16. 2-prUFYx-912/21 | Physics ( <b>state exam</b> ).....                   | 17 |
| 17. 2-prUFYx-211/21 | Practical in Class Experiments in Physics.....       | 18 |
| 18. 2-prUFYx-311/21 | Prospective Topics in School Physics.....            | 19 |
| 19. 2-prUFYx-115/21 | School Experiments in Physics.....                   | 20 |
| 20. 2-prUFYx-112/21 | School Physic.....                                   | 21 |
| 21. 2-prUFYx-203/21 | Selected Fields of Physical Research.....            | 22 |
| 22. 2-prUFYx-221/21 | Teaching Practice.....                               | 23 |
| 23. 2-prUFYx-911/21 | Thesis Defence ( <b>state exam</b> ).....            | 24 |
| 24. 2-prUFYx-204/21 | Waves and Optics.....                                | 25 |

## COURSE DESCRIPTION

|  |   |
|--|---|
| <b>Academic year:</b> 2025/2026  |   |
| <b>University:</b> Comenius University Bratislava  |   |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |   |
| <b>Course ID:</b><br>FMFLKDMFI/2-<br>prUFYx-302/21   | <b>Course title:</b><br>Astronomy and Meteorology |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / independent work<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 16s / 6s<br><b>Form of the course:</b> on-site learning |   |
| <b>Number of credits:</b> 0  |   |
| <b>Recommended semester:</b> 5.  |   |
| <b>Educational level:</b> N  |   |
| <b>Prerequisites:</b>  |   |
| <b>Course requirements:</b>  |   |
| <b>Learning outcomes:</b>  |   |
| <b>Class syllabus:</b>   |   |
| <b>Recommended 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   |   |
| ABS  | NEABS   |
| 100,0  | 0,0   |
| <b>Lecturers:</b> doc. RNDr. Peter Demkanin, PhD.  |   |
| <b>Last change:</b> 15.12.2022   |   |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.  |   |

## COURSE DESCRIPTION

|  |  |
|--|--|
| <b>Academic year:</b> 2025/2026  |  |
| <b>University:</b> Comenius University Bratislava  |  |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |  |
| <b>Course ID:</b><br>FMFL.KJFB/2-<br>prUFYx-205/21   | <b>Course title:</b><br>Atomic and Nuclear Physics |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / independent work<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 20s / 8s<br><b>Form of the course:</b> on-site learning |  |
| <b>Number of credits:</b> 0  |  |
| <b>Recommended semester:</b> 4.  |  |
| <b>Educational level:</b> N  |  |
| <b>Prerequisites:</b>  |  |
| <b>Course requirements:</b>  |  |
| <b>Learning outcomes:</b>  |  |
| <b>Class syllabus:</b>   |  |
| <b>Recommended literature:</b>   |  |
| <b>Languages necessary to complete the course:</b>   |  |
| <b>Notes:</b>  |  |
| <b>Past grade distribution</b><br>Total number of evaluated students: 25   |  |
| ABS  | NEABS  |
| 96,0   | 4,0  |
| <b>Lecturers:</b> doc. RNDr. Radoslav Böhm, PhD.   |  |
| <b>Last change:</b> 14.12.2022   |  |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.  |  |

## COURSE DESCRIPTION

|  |  |
|--|--|
| <b>Academic year:</b> 2025/2026  |  |
| <b>University:</b> Comenius University Bratislava  |  |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |  |
| <b>Course ID:</b><br>FMFLKDMFI/2-<br>prUFYx-116/21   | <b>Course title:</b><br>Didactics of Physics |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / independent work<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 18s / 8s<br><b>Form of the course:</b> on-site learning |  |
| <b>Number of credits:</b> 0  |  |
| <b>Recommended semester:</b> 2.  |  |
| <b>Educational level:</b> N  |  |
| <b>Prerequisites:</b>  |  |
| <b>Course requirements:</b>  |  |
| <b>Learning outcomes:</b>  |  |
| <b>Class syllabus:</b>   |  |
| <b>Recommended 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   |  |
| ABS  | NEABS  |
| 100,0  | 0,0  |
| <b>Lecturers:</b> PaedDr. Tünde Kozánek Kiss, PhD.   |  |
| <b>Last change:</b> 14.12.2022   |  |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.  |  |

## STATE EXAM DESCRIPTION

|   |  |
|---|--|
| <b>Academic year:</b> 2025/2026                                 |  |
| <b>University:</b> Comenius University Bratislava               |  |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics |  |
| <b>Course ID:</b><br>FMFLKDMFI/2-<br>prUFYx-913/21              | <b>Course title:</b><br>Didactics of Physics |
| <b>Number of credits:</b> 0                                     |  |
| <b>Educational level:</b> N                                     |  |
| <b>State exam syllabus:</b>                                     |  |
| <b>Last change:</b> 25.09.2023                                  |  |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.             |  |

## COURSE DESCRIPTION

|   |  |
|---|--|
| <b>Academic year:</b> 2025/2026   |  |
| <b>University:</b> Comenius University Bratislava   |  |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |  |
| <b>Course ID:</b><br>FMFLKDMFI/2-<br>prUFYx-901/21  | <b>Course title:</b><br>Diploma Thesis Project |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 4s<br><b>Form of the course:</b> on-site learning |  |
| <b>Number of credits:</b> 0   |  |
| <b>Recommended semester:</b> 5.   |  |
| <b>Educational level:</b> N   |  |
| <b>Prerequisites:</b>   |  |
| <b>Course requirements:</b>   |  |
| <b>Learning outcomes:</b>   |  |
| <b>Class syllabus:</b>  |  |
| <b>Recommended 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  |  |
| ABS   | NEABS  |
| 100,0   | 0,0  |
| <b>Lecturers:</b> RNDr. Monika Dillingerová, PhD., doc. PaedDr. Klára Velmovská, PhD., PaedDr. Tünde Kozánek Kiss, PhD.   |  |
| <b>Last change:</b> 12.12.2022  |  |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.   |  |

## COURSE DESCRIPTION

|  |  |
|--|--|
| <b>Academic year:</b> 2025/2026  |  |
| <b>University:</b> Comenius University Bratislava  |  |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |  |
| <b>Course ID:</b><br>FMFLKDMFI/2-<br>prUFYx-202/21   | <b>Course title:</b><br>Electromagnetism |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / independent work<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 20s / 8s<br><b>Form of the course:</b> on-site learning |  |
| <b>Number of credits:</b> 0  |  |
| <b>Recommended semester:</b> 3.  |  |
| <b>Educational level:</b> N  |  |
| <b>Prerequisites:</b>  |  |
| <b>Course requirements:</b>  |  |
| <b>Learning outcomes:</b>  |  |
| <b>Class syllabus:</b>   |  |
| <b>Recommended literature:</b>   |  |
| <b>Languages necessary to complete the course:</b>   |  |
| <b>Notes:</b>  |  |
| <b>Past grade distribution</b><br>Total number of evaluated students: 25   |  |
| ABS  | NEABS                                    |
| 96,0   | 4,0                                      |
| <b>Lecturers:</b> PaedDr. Peter Horváth, PhD.  |  |
| <b>Last change:</b> 14.12.2022   |  |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.  |  |

## COURSE DESCRIPTION

|  |  |
|--|--|
| <b>Academic year:</b> 2025/2026  |  |
| <b>University:</b> Comenius University Bratislava  |  |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |  |
| <b>Course ID:</b><br>FMFLKEF/2-prUFYx-301/21   | <b>Course title:</b><br>Electronics and Communication for Teachers |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / independent work<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 12s / 4s<br><b>Form of the course:</b> on-site learning |  |
| <b>Number of credits:</b> 0  |  |
| <b>Recommended semester:</b> 5.  |  |
| <b>Educational level:</b> N  |  |
| <b>Prerequisites:</b>  |  |
| <b>Course requirements:</b>  |  |
| <b>Learning outcomes:</b>  |  |
| <b>Class syllabus:</b>   |  |
| <b>Recommended 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   |  |
| ABS  | NEABS  |
| 100,0  | 0,0  |
| <b>Lecturers:</b> PaedDr. Lukáš Bartošovič, PhD.   |  |
| <b>Last change:</b> 14.12.2022   |  |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.  |  |

## COURSE DESCRIPTION

|  |   |
|--|---|
| <b>Academic year:</b> 2025/2026  |   |
| <b>University:</b> Comenius University Bratislava  |   |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |   |
| <b>Course ID:</b><br>FMFLKDMFI/2-<br>prUFYx-206/21   | <b>Course title:</b><br>Experimental Methods in Physics |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / independent work<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 16s / 6s<br><b>Form of the course:</b> on-site learning |   |
| <b>Number of credits:</b> 0  |   |
| <b>Recommended semester:</b> 4.  |   |
| <b>Educational level:</b> N  |   |
| <b>Prerequisites:</b>  |   |
| <b>Course requirements:</b>  |   |
| <b>Learning outcomes:</b>  |   |
| <b>Class syllabus:</b>   |   |
| <b>Recommended literature:</b>   |   |
| <b>Languages necessary to complete the course:</b>   |   |
| <b>Notes:</b>  |   |
| <b>Past grade distribution</b><br>Total number of evaluated students: 25   |   |
| ABS  | NEABS   |
| 96,0   | 4,0   |
| <b>Lecturers:</b> PaedDr. Tünde Kozánek Kiss, PhD.   |   |
| <b>Last change:</b> 14.12.2022   |   |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.  |   |

## COURSE DESCRIPTION

|  |   |
|--|---|
| <b>Academic year:</b> 2025/2026  |   |
| <b>University:</b> Comenius University Bratislava  |   |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |   |
| <b>Course ID:</b><br>FMFLKDMFI/2-<br>prUFYx-114/21   | <b>Course title:</b><br>Introduction to Class Experiments |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / independent work<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 20s / 8s<br><b>Form of the course:</b> on-site learning |   |
| <b>Number of credits:</b> 0  |   |
| <b>Recommended semester:</b> 2.  |   |
| <b>Educational level:</b> N  |   |
| <b>Prerequisites:</b>  |   |
| <b>Course requirements:</b>  |   |
| <b>Learning outcomes:</b>  |   |
| <b>Class syllabus:</b>   |   |
| <b>Recommended 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   |   |
| ABS  | NEABS   |
| 92,59  | 7,41  |
| <b>Lecturers:</b> PaedDr. Peter Horváth, PhD.  |   |
| <b>Last change:</b> 14.12.2022   |   |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.  |   |

## COURSE DESCRIPTION

|  |  |
|--|--|
| <b>Academic year:</b> 2025/2026  |  |
| <b>University:</b> Comenius University Bratislava  |  |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |  |
| <b>Course ID:</b><br>FMFLKDMFI/2-<br>prUFYx-111/21   | <b>Course title:</b><br>Introduction to Didactics of Physics |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / independent work<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 16s / 8s<br><b>Form of the course:</b> on-site learning |  |
| <b>Number of credits:</b> 0  |  |
| <b>Recommended semester:</b> 1.  |  |
| <b>Educational level:</b> N  |  |
| <b>Prerequisites:</b>  |  |
| <b>Course requirements:</b>  |  |
| <b>Learning outcomes:</b>  |  |
| <b>Class syllabus:</b>   |  |
| <b>Recommended literature:</b>   |  |
| <b>Languages necessary to complete the course:</b>   |  |
| <b>Notes:</b>  |  |
| <b>Past grade distribution</b><br>Total number of evaluated students: 46   |  |
| ABS  | NEABS  |
| 95,65  | 4,35   |
| <b>Lecturers:</b> doc. PaedDr. Klára Velmovská, PhD.   |  |
| <b>Last change:</b> 12.12.2025   |  |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.  |  |

## COURSE DESCRIPTION

|  |   |
|--|---|
| <b>Academic year:</b> 2025/2026  |   |
| <b>University:</b> Comenius University Bratislava  |   |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |   |
| <b>Course ID:</b><br>FMFLKDMFI/2-<br>prUFYx-201/21   | <b>Course title:</b><br>Mathematical Methods for Solving Physical Tasks |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / independent work<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 16s / 6s<br><b>Form of the course:</b> on-site learning |   |
| <b>Number of credits:</b> 0  |   |
| <b>Recommended semester:</b> 3.  |   |
| <b>Educational level:</b> N  |   |
| <b>Prerequisites:</b>  |   |
| <b>Course requirements:</b>  |   |
| <b>Learning outcomes:</b>  |   |
| <b>Class syllabus:</b>   |   |
| <b>Recommended literature:</b>   |   |
| <b>Languages necessary to complete the course:</b>   |   |
| <b>Notes:</b>  |   |
| <b>Past grade distribution</b><br>Total number of evaluated students: 25   |   |
| ABS  | NEABS   |
| 96,0   | 4,0   |
| <b>Lecturers:</b> doc. PaedDr. Viera Haverlíková, PhD.   |   |
| <b>Last change:</b> 14.12.2022   |   |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.  |   |

## COURSE DESCRIPTION

|  |   |
|--|---|
| <b>Academic year:</b> 2025/2026  |   |
| <b>University:</b> Comenius University Bratislava  |   |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |   |
| <b>Course ID:</b><br>FMFLKDMFI/2-<br>prUFYx-101/21   | <b>Course title:</b><br>Mathematical Methods in Physics |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / independent work<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 16s / 6s<br><b>Form of the course:</b> on-site learning |   |
| <b>Number of credits:</b> 0  |   |
| <b>Recommended semester:</b> 1.  |   |
| <b>Educational level:</b> N  |   |
| <b>Prerequisites:</b>  |   |
| <b>Course requirements:</b>  |   |
| <b>Learning outcomes:</b>  |   |
| <b>Class syllabus:</b>   |   |
| <b>Recommended literature:</b>   |   |
| <b>Languages necessary to complete the course:</b>   |   |
| <b>Notes:</b>  |   |
| <b>Past grade distribution</b><br>Total number of evaluated students: 46   |   |
| ABS  | NEABS   |
| 95,65  | 4,35  |
| <b>Lecturers:</b> doc. PaedDr. Klára Velmovská, PhD.   |   |
| <b>Last change:</b> 11.12.2025   |   |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.  |   |

## COURSE DESCRIPTION

|  |                                   |
|--|-----------------------------------|
| <b>Academic year:</b> 2025/2026  |                                   |
| <b>University:</b> Comenius University Bratislava  |                                   |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |                                   |
| <b>Course ID:</b><br>FMFLKDMFI/2-<br>prUFYx-102/21   | <b>Course title:</b><br>Mechanics |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / independent work<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 20s / 8s<br><b>Form of the course:</b> on-site learning |                                   |
| <b>Number of credits:</b> 0  |                                   |
| <b>Recommended semester:</b> 1.  |                                   |
| <b>Educational level:</b> N  |                                   |
| <b>Prerequisites:</b>  |                                   |
| <b>Course requirements:</b>  |                                   |
| <b>Learning outcomes:</b>  |                                   |
| <b>Class syllabus:</b>   |                                   |
| <b>Recommended 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   |                                   |
| ABS  | NEABS                             |
| 93,33  | 6,67                              |
| <b>Lecturers:</b> PaedDr. Peter Horváth, PhD.  |                                   |
| <b>Last change:</b> 14.12.2022   |                                   |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.  |                                   |

## COURSE DESCRIPTION

|  |  |
|--|--|
| <b>Academic year:</b> 2025/2026  |  |
| <b>University:</b> Comenius University Bratislava  |  |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |  |
| <b>Course ID:</b><br>FMFLKDMFI/2-<br>prUFYx-113/21   | <b>Course title:</b><br>Methods for Solving Physical Tasks |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / independent work<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 16s / 8s<br><b>Form of the course:</b> on-site learning |  |
| <b>Number of credits:</b> 0  |  |
| <b>Recommended semester:</b> 2.  |  |
| <b>Educational level:</b> N  |  |
| <b>Prerequisites:</b>  |  |
| <b>Course requirements:</b>  |  |
| <b>Learning outcomes:</b>  |  |
| <b>Class syllabus:</b>   |  |
| <b>Recommended 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   |  |
| ABS  | NEABS  |
| 100,0  | 0,0  |
| <b>Lecturers:</b> doc. PaedDr. Klára Velmovská, PhD.   |  |
| <b>Last change:</b> 14.12.2022   |  |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.  |  |

## COURSE DESCRIPTION

|  |  |
|--|--|
| <b>Academic year:</b> 2025/2026  |  |
| <b>University:</b> Comenius University Bratislava  |  |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |  |
| <b>Course ID:</b><br>FMFLKDMFI/2-<br>prUFYx-207/21   | <b>Course title:</b><br>Molecular Physics and Thermodynamics |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / independent work<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 12s / 4s<br><b>Form of the course:</b> on-site learning |  |
| <b>Number of credits:</b> 0  |  |
| <b>Recommended semester:</b> 4.  |  |
| <b>Educational level:</b> N  |  |
| <b>Prerequisites:</b>  |  |
| <b>Course requirements:</b>  |  |
| <b>Learning outcomes:</b>  |  |
| <b>Class syllabus:</b>   |  |
| <b>Recommended literature:</b>   |  |
| <b>Languages necessary to complete the course:</b>   |  |
| <b>Notes:</b>  |  |
| <b>Past grade distribution</b><br>Total number of evaluated students: 25   |  |
| ABS  | NEABS  |
| 96,0   | 4,0  |
| <b>Lecturers:</b> PaedDr. Lukáš Bartošovič, PhD.   |  |
| <b>Last change:</b> 14.12.2022   |  |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.  |  |

## STATE EXAM DESCRIPTION

|   |                                 |
|---|---------------------------------|
| <b>Academic year:</b> 2025/2026                                 |                                 |
| <b>University:</b> Comenius University Bratislava               |                                 |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics |                                 |
| <b>Course ID:</b><br>FMFLKDMFI/2-<br>prUFYx-912/21              | <b>Course title:</b><br>Physics |
| <b>Number of credits:</b> 0                                     |                                 |
| <b>Educational level:</b> N                                     |                                 |
| <b>State exam syllabus:</b>                                     |                                 |
| <b>Last change:</b> 25.09.2023                                  |                                 |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.             |                                 |

## COURSE DESCRIPTION

|  |   |
|--|---|
| <b>Academic year:</b> 2025/2026  |   |
| <b>University:</b> Comenius University Bratislava  |   |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |   |
| <b>Course ID:</b><br>FMFLKDMFI/2-<br>prUFYx-211/21   | <b>Course title:</b><br>Practical in Class Experiments in Physics |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / independent work<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 16s / 6s<br><b>Form of the course:</b> on-site learning |   |
| <b>Number of credits:</b> 0  |   |
| <b>Recommended semester:</b> 3.  |   |
| <b>Educational level:</b> N  |   |
| <b>Prerequisites:</b>  |   |
| <b>Course requirements:</b>  |   |
| <b>Learning outcomes:</b>  |   |
| <b>Class syllabus:</b>   |   |
| <b>Recommended literature:</b>   |   |
| <b>Languages necessary to complete the course:</b>   |   |
| <b>Notes:</b>  |   |
| <b>Past grade distribution</b><br>Total number of evaluated students: 25   |   |
| ABS  | NEABS   |
| 96,0   | 4,0   |
| <b>Lecturers:</b> PaedDr. Peter Horváth, PhD.  |   |
| <b>Last change:</b> 14.12.2022   |   |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.  |   |

## COURSE DESCRIPTION

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|--|--|
| <b>Academic year:</b> 2025/2026  |  |
| <b>University:</b> Comenius University Bratislava  |  |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |  |
| <b>Course ID:</b><br>FMFLKDMFI/2-<br>prUFYx-311/21   | <b>Course title:</b><br>Prospective Topics in School Physics |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / independent work<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 16s / 4s<br><b>Form of the course:</b> on-site learning |  |
| <b>Number of credits:</b> 0  |  |
| <b>Recommended semester:</b> 5.  |  |
| <b>Educational level:</b> N  |  |
| <b>Prerequisites:</b>  |  |
| <b>Course requirements:</b>  |  |
| <b>Learning outcomes:</b>  |  |
| <b>Class syllabus:</b>   |  |
| <b>Recommended 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   |  |
| ABS  | NEABS  |
| 100,0  | 0,0  |
| <b>Lecturers:</b> doc. PaedDr. Viera Haverlíková, PhD.   |  |
| <b>Last change:</b> 12.12.2022   |  |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.  |  |

## COURSE DESCRIPTION

|  |   |
|--|---|
| <b>Academic year:</b> 2025/2026  |   |
| <b>University:</b> Comenius University Bratislava  |   |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |   |
| <b>Course ID:</b><br>FMFLKDMFI/2-<br>prUFYx-115/21   | <b>Course title:</b><br>School Experiments in Physics |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / independent work<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 16s / 8s<br><b>Form of the course:</b> on-site learning |   |
| <b>Number of credits:</b> 0  |   |
| <b>Recommended semester:</b> 2.  |   |
| <b>Educational level:</b> N  |   |
| <b>Prerequisites:</b>  |   |
| <b>Course requirements:</b>  |   |
| <b>Learning outcomes:</b>  |   |
| <b>Class syllabus:</b>   |   |
| <b>Recommended 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   |   |
| ABS  | NEABS   |
| 100,0  | 0,0   |
| <b>Lecturers:</b> doc. PaedDr. Klára Velmovská, PhD.   |   |
| <b>Last change:</b> 25.03.2023   |   |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.  |   |

## COURSE DESCRIPTION

|  |                                       |
|--|---------------------------------------|
| <b>Academic year:</b> 2025/2026  |                                       |
| <b>University:</b> Comenius University Bratislava  |                                       |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |                                       |
| <b>Course ID:</b><br>FMFLKDMFI/2-<br>prUFYx-112/21   | <b>Course title:</b><br>School Physic |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / independent work<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 20s / 8s<br><b>Form of the course:</b> on-site learning |                                       |
| <b>Number of credits:</b> 0  |                                       |
| <b>Recommended semester:</b> 1.  |                                       |
| <b>Educational level:</b> N  |                                       |
| <b>Prerequisites:</b>  |                                       |
| <b>Course requirements:</b>  |                                       |
| <b>Learning outcomes:</b>  |                                       |
| <b>Class syllabus:</b>   |                                       |
| <b>Recommended 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   |                                       |
| ABS  | NEABS                                 |
| 97,78  | 2,22                                  |
| <b>Lecturers:</b> PaedDr. Tünde Kozánek Kiss, PhD.   |                                       |
| <b>Last change:</b> 12.12.2025   |                                       |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.  |                                       |

## COURSE DESCRIPTION

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|--|--|
| <b>Academic year:</b> 2025/2026  |  |
| <b>University:</b> Comenius University Bratislava  |  |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |  |
| <b>Course ID:</b><br>FMFLKTF/2-prUFYx-203/21   | <b>Course title:</b><br>Selected Fields of Physical Research |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / independent work<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 16s / 6s<br><b>Form of the course:</b> on-site learning |  |
| <b>Number of credits:</b> 0  |  |
| <b>Recommended semester:</b> 4.  |  |
| <b>Educational level:</b> N  |  |
| <b>Prerequisites:</b>  |  |
| <b>Course requirements:</b>  |  |
| <b>Learning outcomes:</b>  |  |
| <b>Class syllabus:</b>   |  |
| <b>Recommended literature:</b>   |  |
| <b>Languages necessary to complete the course:</b>   |  |
| <b>Notes:</b>  |  |
| <b>Past grade distribution</b><br>Total number of evaluated students: 25   |  |
| ABS  | NEABS  |
| 100,0  | 0,0  |
| <b>Lecturers:</b> doc. RNDr. Peter Demkanin, PhD.  |  |
| <b>Last change:</b> 14.12.2022   |  |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.  |  |

## COURSE DESCRIPTION

|   |   |
|---|---|
| <b>Academic year:</b> 2025/2026   |   |
| <b>University:</b> Comenius University Bratislava   |   |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |   |
| <b>Course ID:</b><br>FMFLKDMFI/2-<br>prUFYx-221/21  | <b>Course title:</b><br>Teaching Practice |
| <b>Educational activities:</b><br><b>Type of activities:</b> practice<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 20s<br><b>Form of the course:</b> on-site learning |   |
| <b>Number of credits:</b> 0   |   |
| <b>Recommended semester:</b> 3., 4..  |   |
| <b>Educational level:</b> N   |   |
| <b>Prerequisites:</b>   |   |
| <b>Course requirements:</b>   |   |
| <b>Learning outcomes:</b>   |   |
| <b>Class syllabus:</b>  |   |
| <b>Recommended literature:</b>  |   |
| <b>Languages necessary to complete the course:</b>  |   |
| <b>Notes:</b>   |   |
| <b>Past grade distribution</b><br>Total number of evaluated students: 25  |   |
| ABS   | NEABS                                     |
| 96,0  | 4,0                                       |
| <b>Lecturers:</b> PaedDr. Peter Horváth, PhD.   |   |
| <b>Last change:</b> 16.06.2023  |   |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.   |   |

## STATE EXAM DESCRIPTION

|   |  |
|---|--|
| <b>Academic year:</b> 2025/2026                                 |  |
| <b>University:</b> Comenius University Bratislava               |  |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics |  |
| <b>Course ID:</b><br>FMFLKDMFI/2-<br>prUFYx-911/21              | <b>Course title:</b><br>Thesis Defence |
| <b>Number of credits:</b> 0                                     |  |
| <b>Educational level:</b> N                                     |  |
| <b>State exam syllabus:</b>                                     |  |
| <b>Last change:</b> 16.06.2023                                  |  |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.             |  |

## COURSE DESCRIPTION

|  |  |
|--|--|
| <b>Academic year:</b> 2025/2026  |  |
| <b>University:</b> Comenius University Bratislava  |  |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |  |
| <b>Course ID:</b><br>FMFLKEF/2-prUFYx-204/21   | <b>Course title:</b><br>Waves and Optics |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / independent work<br><b>Number of hours:</b><br><b>per week: per level/semester:</b> 16s / 6s<br><b>Form of the course:</b> on-site learning |  |
| <b>Number of credits:</b> 0  |  |
| <b>Recommended semester:</b> 3.  |  |
| <b>Educational level:</b> N  |  |
| <b>Prerequisites:</b>  |  |
| <b>Course requirements:</b>  |  |
| <b>Learning outcomes:</b>  |  |
| <b>Class syllabus:</b>   |  |
| <b>Recommended 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   |  |
| ABS  | NEABS                                    |
| 100,0  | 0,0                                      |
| <b>Lecturers:</b> PaedDr. Tünde Kozánek Kiss, PhD.   |  |
| <b>Last change:</b> 14.12.2022   |  |
| <b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.  |  |