

## Course descriptions

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## COURSE DESCRIPTION

|   |      |   |     |     |      |
|---|------|---|-----|-----|------|
| <b>University:</b> Comenius University in Bratislava  |      |   |     |     |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |      |   |     |     |      |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UFY-256/15  |      | <b>Course title:</b><br>Assessment of the Science Education Results |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> course<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., 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: 16  |      |   |     |     |      |
| A   | B    | C   | D   | E   | FX   |
| 87,5  | 6,25 | 0,0   | 0,0 | 0,0 | 6,25 |
| <b>Lecturers:</b> PaedDr. Lukáš Bartošovič, PhD.  |      |   |     |     |      |
| <b>Last change:</b> 02.06.2015  |      |   |     |     |      |
| <b>Approved by:</b>   |      |   |     |     |      |

## COURSE DESCRIPTION

|  |      |   |     |     |     |
|--|------|---|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |      |   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |   |     |     |     |
| <b>Course ID:</b><br>FMFL.KAFZM/2-UFY-220/00   |      | <b>Course title:</b><br>Astronomy and Meteorology |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 / 1 <b>per level/semester:</b> 28 / 14<br><b>Form of the course:</b> on-site learning   |      |   |     |     |     |
| <b>Number of credits:</b> 4  |      |   |     |     |     |
| <b>Recommended semester:</b> 4.  |      |   |     |     |     |
| <b>Educational level:</b> II.  |      |   |     |     |     |
| <b>Prerequisites:</b>  |      |   |     |     |     |
| <b>Course requirements:</b>  |      |   |     |     |     |
| <b>Learning outcomes:</b>  |      |   |     |     |     |
| <b>Class syllabus:</b><br>History of astronomy, spherical astronomy (coordinate systems, stellar aberration, parallax, refraction), Solar system (Sun, planets, dwarf planets, comets, asteroids, meteors), origin and evolution of stars (Jeans critical mass, H-R diagram, nucleogenesis of elements, final evolution stages of stars), galactic astronomy, cosmology. Subject of meteorology, basic conceptions, role and organization of meteorological service. Basic meteorological elements and instrumentation of meteorological station. State equation, principal statics equation, barometric formula. Condensation and sublimation of water vapour. Adiabatic and pseudoadiabatic phenomenons. Thermal stratification. General circulation. Air masses. Atmospheric fronts. Pressure systems. Weather predictions. Human influence on climate. |      |   |     |     |     |
| <b>Recommended literature:</b><br>Vanýsek V. 1980, Základy astronómie a astrofyziky, Academia Praha<br>Beatty J. K., Petersen C. C., Chaikin A. eds.: 1999, The New Solar System, Sky Publ. Corp. and Cambridge Univ. Press<br>Netopil, R. a kol.: Fysická geografie 1. SPN, Praha, 1984, 272 s.<br>Zverev, A. S.: Synoptická meteorológia. Alfa, Bratislava, 1986, 711 s.<br>Munzar, J. a kol.: Malý průvodce meteorologií. Praha, 1989, 248 s.<br>Bednář, J.: Meteorologie. Portál, s.r.o., Praha, 2003, 224 s., ISBN 80-7178-653-5<br>Glossary of meteorology. Second edition. American Meteorological Society, Boston, 2000, 855 s., ISBN 1-878220-34-9  |      |   |     |     |     |
| <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  |
| 81,25  | 12,5 | 6,25  | 0,0 | 0,0 | 0,0 |

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| <b>Lecturers:</b> RNDr. Marián Melo, PhD., doc. RNDr. Juraj Tóth, PhD. |
| <b>Last change:</b> 02.06.2015   |
| <b>Approved by:</b>  |

## COURSE DESCRIPTION

|   |       |  |     |     |      |
|---|-------|--|-----|-----|------|
| <b>University:</b> Comenius University in Bratislava  |       |  |     |     |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |       |  |     |     |      |
| <b>Course ID:</b><br>FMFI.KAI/2-UXX-102/15  |       | <b>Course title:</b><br>Cognitive Psychology |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> course<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>Antirequisites:</b> FMFI.KAI/2-UXX-102/00  |       |  |     |     |      |
| <b>Course requirements:</b>   |       |  |     |     |      |
| <b>Learning outcomes:</b>   |       |  |     |     |      |
| <b>Class syllabus:</b>  |       |  |     |     |      |
| <b>Recommended 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   |
| 55,56   | 33,33 | 0,0  | 3,7 | 0,0 | 7,41 |
| <b>Lecturers:</b> doc. PhDr. Ján Rybár, PhD.  |       |  |     |     |      |
| <b>Last change:</b> 02.06.2015  |       |  |     |     |      |
| <b>Approved by:</b>   |       |  |     |     |      |

## COURSE DESCRIPTION

|   |      |   |     |     |     |
|---|------|---|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |      |   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |      |   |     |     |     |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UXX-105/15  |      | <b>Course title:</b><br>Computer-aided Science Laboratory |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> course<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., 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: 56  |      |   |     |     |     |
| A   | B    | C   | D   | E   | FX  |
| 94,64   | 1,79 | 3,57  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Peter Demkanin, PhD.   |      |   |     |     |     |
| <b>Last change:</b> 02.06.2015  |      |   |     |     |     |
| <b>Approved by:</b>   |      |   |     |     |     |

## COURSE DESCRIPTION

|  |     |  |     |     |     |
|--|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UMA-254/19   |     | <b>Course title:</b><br>Constructivism: Theory in Practice, Practice in Theory |     |     |     |
| <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: 0  |     |  |     |     |     |
| A  | B   | C  | D   | E   | FX  |
| 0,0  | 0,0 | 0,0  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Martina Babinská, PhD.  |     |  |     |     |     |
| <b>Last change:</b>  |     |  |     |     |     |
| <b>Approved by:</b>  |     |  |     |     |     |



## STATE EXAM DESCRIPTION

|   |  |
|---|--|
| <b>University:</b> Comenius University in Bratislava            |  |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics |  |
| <b>Course ID:</b><br>FMFI.KDMFI/2-UMA-951/15                    | <b>Course title:</b><br>Didactics of Mathematics |
| <b>Number of credits:</b> 3                                     |  |
| <b>Educational level:</b> II.                                   |  |
| <b>State exam syllabus:</b>                                     |  |
| <b>Last change:</b> 28.02.2017                                  |  |
| <b>Approved by:</b>   |  |

## COURSE DESCRIPTION

|   |       |  |      |     |      |
|---|-------|--|------|-----|------|
| <b>University:</b> Comenius University in Bratislava  |       |  |      |     |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |       |  |      |     |      |
| <b>Course ID:</b><br>FMFL.KAG+KDMFI/2-<br>UMA-105/15  |       | <b>Course title:</b><br>Didactics of Mathematics (1) |      |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> course<br><b>Number of hours:</b><br><b>per week:</b> 4 <b>per level/semester:</b> 56<br><b>Form of the course:</b> on-site learning |       |  |      |     |      |
| <b>Number of credits:</b> 4   |       |  |      |     |      |
| <b>Recommended semester:</b> 2.   |       |  |      |     |      |
| <b>Educational level:</b> II., 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: 103   |       |  |      |     |      |
| A   | B     | C  | D    | E   | FX   |
| 68,93   | 17,48 | 8,74   | 3,88 | 0,0 | 0,97 |
| <b>Lecturers:</b> doc. RNDr. Štefan Solčan, CSc., Mgr. Michaela Vargová, PhD.   |       |  |      |     |      |
| <b>Last change:</b> 02.06.2015  |       |  |      |     |      |
| <b>Approved by:</b>   |       |  |      |     |      |

## COURSE DESCRIPTION

|  |       |  |      |     |     |
|--|-------|--|------|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |       |  |      |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |       |  |      |     |     |
| <b>Course ID:</b><br>FMFI.KAG+KDMFI/2-<br>UMA-106/15   |       | <b>Course title:</b><br>Didactics of Mathematics (2) |      |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 3 <b>per level/semester:</b> 42<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., 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: 98   |       |  |      |     |     |
| A  | B     | C  | D    | E   | FX  |
| 76,53  | 15,31 | 6,12   | 2,04 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Pavol Zlatoš, PhD., Mgr. Michaela Vargová, PhD.  |       |  |      |     |     |
| <b>Last change:</b> 02.06.2015   |       |  |      |     |     |
| <b>Approved by:</b>  |       |  |      |     |     |

## COURSE DESCRIPTION

|  |     |  |     |     |     |
|--|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KMANM/2-<br>UMA-259/15   |     | <b>Course title:</b><br>Didactics of Mathematics in Praxis (1) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 3 <b>per level/semester:</b> 42<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: 63   |     |  |     |     |     |
| A  | B   | C  | D   | E   | FX  |
| 100,0  | 0,0 | 0,0  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Zbyněk Kubáček, CSc., Mgr. Jana Fraasová, PhD.  |     |  |     |     |     |
| <b>Last change:</b> 02.06.2015   |     |  |     |     |     |
| <b>Approved by:</b>  |     |  |     |     |     |

## COURSE DESCRIPTION

|  |     |  |     |     |     |
|--|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KMANM/2-<br>UMA-260/15   |     | <b>Course title:</b><br>Didactics of Mathematics in Praxis (2) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |     |  |     |     |     |
| <b>Number of credits:</b> 2  |     |  |     |     |     |
| <b>Recommended semester:</b> 4.  |     |  |     |     |     |
| <b>Educational level:</b> 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: 51   |     |  |     |     |     |
| A  | B   | C  | D   | E   | FX  |
| 100,0  | 0,0 | 0,0  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Zbyněk Kubáček, CSc., Mgr. Jana Fraasová, PhD.  |     |  |     |     |     |
| <b>Last change:</b> 02.06.2015   |     |  |     |     |     |
| <b>Approved by:</b>  |     |  |     |     |     |

## STATE EXAM DESCRIPTION

|   |  |
|---|--|
| <b>University:</b> Comenius University in Bratislava            |  |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics |  |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UFY-961/15                    | <b>Course title:</b><br>Didactics of Physics |
| <b>Number of credits:</b> 3                                     |  |
| <b>Educational level:</b> II.                                   |  |
| <b>State exam syllabus:</b>                                     |  |
| <b>Last change:</b> 02.06.2015                                  |  |
| <b>Approved by:</b>   |  |

## COURSE DESCRIPTION

|   |       |  |     |     |      |
|---|-------|--|-----|-----|------|
| <b>University:</b> Comenius University in Bratislava  |       |  |     |     |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |       |  |     |     |      |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UFY-104/15  |       | <b>Course title:</b><br>Didactics of Physics (1) |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> course<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.   |       |  |     |     |      |
| <b>Educational level:</b> II., 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: 52  |       |  |     |     |      |
| A   | B     | C  | D   | E   | FX   |
| 59,62   | 28,85 | 9,62   | 0,0 | 0,0 | 1,92 |
| <b>Lecturers:</b> doc. RNDr. Peter Demkanin, PhD., PaedDr. Soňa Chalupková, PhD.  |       |  |     |     |      |
| <b>Last change:</b> 02.06.2015  |       |  |     |     |      |
| <b>Approved by:</b>   |       |  |     |     |      |

## COURSE DESCRIPTION

|  |       |  |     |     |     |
|--|-------|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |       |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |       |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UFY-106/15   |       | <b>Course title:</b><br>Didactics of Physics (2) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / practicals<br><b>Number of hours:</b><br><b>per week:</b> 1 / 1 <b>per level/semester:</b> 14 / 14<br><b>Form of the course:</b> on-site learning |       |  |     |     |     |
| <b>Number of credits:</b> 3  |       |  |     |     |     |
| <b>Recommended semester:</b> 2.  |       |  |     |     |     |
| <b>Educational level:</b> II., 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: 48   |       |  |     |     |     |
| A  | B     | C  | D   | E   | FX  |
| 77,08  | 18,75 | 4,17   | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. Mgr. PaedDr. Viera Haverlíková, PhD.  |       |  |     |     |     |
| <b>Last change:</b> 02.06.2015   |       |  |     |     |     |
| <b>Approved by:</b>  |       |  |     |     |     |



## COURSE DESCRIPTION

|  |      |  |     |     |     |
|--|------|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |      |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UFY-205/15   |      | <b>Course title:</b><br>Didactics of Physics (3) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / practicals<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: 37   |      |  |     |     |     |
| A  | B    | C  | D   | E   | FX  |
| 89,19  | 8,11 | 2,7  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Peter Demkanin, PhD., Mgr. Karolína Šromeková, PaedDr. Tünde Kiss   |      |  |     |     |     |
| <b>Last change:</b> 02.06.2015   |      |  |     |     |     |
| <b>Approved by:</b>  |      |  |     |     |     |

## COURSE DESCRIPTION

|  |       |  |      |      |      |
|--|-------|--|------|------|------|
| <b>University:</b> Comenius University in Bratislava   |       |  |      |      |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |       |  |      |      |      |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UMA-151/15   |       | <b>Course title:</b><br>Didactics of Teaching Mathematics in Digital Environment |      |      |      |
| <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: 73   |       |  |      |      |      |
| A  | B     | C  | D    | E    | FX   |
| 56,16  | 15,07 | 16,44  | 4,11 | 5,48 | 2,74 |
| <b>Lecturers:</b> RNDr. Monika Dillingerová, PhD.  |       |  |      |      |      |
| <b>Last change:</b> 02.06.2015   |       |  |      |      |      |
| <b>Approved by:</b>  |       |  |      |      |      |

## STATE EXAM DESCRIPTION

|   |  |
|---|--|
| <b>University:</b> Comenius University in Bratislava            |  |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics |  |
| <b>Course ID:</b><br>FMFL.KAG+KDMFI/2-<br>UXX-991/15            | <b>Course title:</b><br>Diploma Thesis Defense |
| <b>Number of credits:</b> 14                                    |  |
| <b>Educational level:</b> II.                                   |  |
| <b>State exam syllabus:</b>                                     |  |
| <b>Last change:</b> 02.06.2015                                  |  |
| <b>Approved by:</b>   |  |

## COURSE DESCRIPTION

|  |       |   |      |      |      |
|--|-------|---|------|------|------|
| <b>University:</b> Comenius University in Bratislava   |       |   |      |      |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |       |   |      |      |      |
| <b>Course ID:</b><br>FMFI.KDMFI/2-UXX-937/10   |       | <b>Course title:</b><br>Diploma Thesis in Mathematics 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> 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: 59   |       |   |      |      |      |
| A  | B     | C   | D    | E    | FX   |
| 59,32  | 16,95 | 13,56   | 5,08 | 3,39 | 1,69 |
| <b>Lecturers:</b> RNDr. Monika Dillingerová, PhD., PaedDr. Peter Vankúš, PhD.  |       |   |      |      |      |
| <b>Last change:</b> 02.06.2015   |       |   |      |      |      |
| <b>Approved by:</b>  |       |   |      |      |      |

## COURSE DESCRIPTION

|  |     |   |     |     |     |
|--|-----|---|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |   |     |     |     |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UXX-933/15   |     | <b>Course title:</b><br>Diploma Thesis in Physics Seminar (1) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 <b>per level/semester:</b> 14<br><b>Form of the course:</b> on-site learning |     |   |     |     |     |
| <b>Number of credits:</b> 1  |     |   |     |     |     |
| <b>Recommended semester:</b> 2.  |     |   |     |     |     |
| <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  | 0,0 | 3,13  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. PaedDr. Klára Velmovská, PhD.   |     |   |     |     |     |
| <b>Last change:</b> 06.02.2021   |     |   |     |     |     |
| <b>Approved by:</b>  |     |   |     |     |     |

## COURSE DESCRIPTION

|  |      |   |     |     |     |
|--|------|---|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |      |   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |   |     |     |     |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UXX-934/15   |      | <b>Course title:</b><br>Diploma Thesis in Physics Seminar (2) |     |     |     |
| <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> 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  |
| 93,75  | 3,13 | 3,13  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Peter Demkanin, PhD.  |      |   |     |     |     |
| <b>Last change:</b> 06.02.2021   |      |   |     |     |     |
| <b>Approved by:</b>  |      |   |     |     |     |

## COURSE DESCRIPTION

|   |     |  |     |     |     |
|---|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KEF/2-UFY-212/15  |     | <b>Course title:</b><br>Electronics and Communication for Teachers |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> course<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: 37  |     |  |     |     |     |
| A   | B   | C  | D   | E   | FX  |
| 100,0   | 0,0 | 0,0  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. František Kundracik, CSc., PaedDr. Lukáš Bartošovič, PhD.  |     |  |     |     |     |
| <b>Last change:</b> 02.06.2015  |     |  |     |     |     |
| <b>Approved by:</b>   |     |  |     |     |     |

## COURSE DESCRIPTION

|   |       |  |       |       |      |
|---|-------|--|-------|-------|------|
| <b>University:</b> Comenius University in Bratislava  |       |  |       |       |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |       |  |       |       |      |
| <b>Course ID:</b><br>FMFI.KAG/2-UMA-207/15  |       | <b>Course title:</b><br>Elementary Theory of Quadratic Figures |       |       |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> course<br><b>Number of hours:</b><br><b>per week:</b> 3 <b>per level/semester:</b> 42<br><b>Form of the course:</b> on-site learning |       |  |       |       |      |
| <b>Number of credits:</b> 4   |       |  |       |       |      |
| <b>Recommended semester:</b> 1.   |       |  |       |       |      |
| <b>Educational level:</b> 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: 112   |       |  |       |       |      |
| A   | B     | C  | D     | E     | FX   |
| 20,54   | 16,96 | 25,89  | 16,96 | 10,71 | 8,93 |
| <b>Lecturers:</b> RNDr. Barbora Pokorná, PhD., RNDr. Martina Bátorová, PhD.   |       |  |       |       |      |
| <b>Last change:</b> 02.06.2015  |       |  |       |       |      |
| <b>Approved by:</b>   |       |  |       |       |      |



## COURSE DESCRIPTION

|   |       |   |      |      |      |
|---|-------|---|------|------|------|
| <b>University:</b> Comenius University in Bratislava  |       |   |      |      |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |       |   |      |      |      |
| <b>Course ID:</b><br>FMFI.KJP/1-MXX-233/13  |       | <b>Course title:</b><br>English Conversation Course (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><br>Scale of assessment (preliminary/final): 100/0   |       |   |      |      |      |
| <b>Learning outcomes:</b>   |       |   |      |      |      |
| <b>Class syllabus:</b><br>The content of the course is general English.<br>The language level is B2/C1 (Upper-Intermediate/Lower Advanced).   |       |   |      |      |      |
| <b>Recommended literature:</b><br>Selection of materials from Inside Out Upper-Intermediate, Cutting Edge Upper-Intermediate, New English File Upper-Intermediate, British and American newspapers and journals<br>Recordings: authentic and semi-authentic (source: BBC, CNN, coursebook recordings) |       |   |      |      |      |
| <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   |
| 65,28   | 13,99 | 7,25  | 2,07 | 1,55 | 9,84 |
| <b>Lecturers:</b> PhDr. Elena Klátiková, Mgr. Aneta Barnes  |       |   |      |      |      |
| <b>Last change:</b> 02.06.2015  |       |   |      |      |      |
| <b>Approved by:</b>   |       |   |      |      |      |

## COURSE DESCRIPTION

|   |       |   |      |     |      |
|---|-------|---|------|-----|------|
| <b>University:</b> Comenius University in Bratislava  |       |   |      |     |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |       |   |      |     |      |
| <b>Course ID:</b><br>FMFL.KJP/1-MXX-234/13  |       | <b>Course title:</b><br>English Conversation Course (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><br>Scale of assessment (preliminary/final): 100/0   |       |   |      |     |      |
| <b>Learning outcomes:</b>   |       |   |      |     |      |
| <b>Class syllabus:</b><br>The course is a follow-up to the Conversation Course in English (1). The content of the course is general English.<br>The language level is B2/C1 (Upper-Intermediate/Lower Advanced).  |       |   |      |     |      |
| <b>Recommended literature:</b><br>Selection of materials from Inside Out Upper-Intermediate, Cutting Edge Upper-Intermediate, New English File Upper-Intermediate, British and American newspapers and journals<br>Recordings: authentic and semi-authentic (source: BBC, CNN, coursebook recordings) |       |   |      |     |      |
| <b>Languages necessary to complete the course:</b>  |       |   |      |     |      |
| <b>Notes:</b>   |       |   |      |     |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 118   |       |   |      |     |      |
| A   | B     | C   | D    | E   | FX   |
| 73,73   | 15,25 | 4,24  | 0,85 | 0,0 | 5,93 |
| <b>Lecturers:</b> PhDr. Elena Klátiková, Mgr. Aneta Barnes  |       |   |      |     |      |
| <b>Last change:</b> 02.06.2015  |       |   |      |     |      |
| <b>Approved by:</b>   |       |   |      |     |      |

## COURSE DESCRIPTION

|   |       |   |      |     |      |
|---|-------|---|------|-----|------|
| <b>University:</b> Comenius University in Bratislava  |       |   |      |     |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |       |   |      |     |      |
| <b>Course ID:</b><br>FMFL.KJP/1-MXX-141/00  |       | <b>Course title:</b><br>French Language (1) |      |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning   |       |   |      |     |      |
| <b>Number of credits:</b> 2   |       |   |      |     |      |
| <b>Recommended semester:</b> 1.   |       |   |      |     |      |
| <b>Educational level:</b> I., II.   |       |   |      |     |      |
| <b>Prerequisites:</b>   |       |   |      |     |      |
| <b>Course requirements:</b>   |       |   |      |     |      |
| <b>Learning outcomes:</b>   |       |   |      |     |      |
| <b>Class syllabus:</b><br>French language is taught at two levels: beginner and intermediate. Students opt for one of them depending on whether they wish to obtain the fundamentals of the language or wish to maintain and/or improve previous knowledge of French. |       |   |      |     |      |
| <b>Recommended literature:</b><br>Pravda, Pravdová: Učebnica francúzštiny pre samoukov a kurzy, SPN Bratislava 1999, ISBN 80-08-00431-2   |       |   |      |     |      |
| <b>Languages necessary to complete the course:</b>  |       |   |      |     |      |
| <b>Notes:</b>   |       |   |      |     |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 421   |       |   |      |     |      |
| A   | B     | C   | D    | E   | FX   |
| 45,13   | 20,43 | 19,48                                       | 9,03 | 1,9 | 4,04 |
| <b>Lecturers:</b> Mgr. Ľubomíra Kožehubová  |       |   |      |     |      |
| <b>Last change:</b> 02.06.2015  |       |   |      |     |      |
| <b>Approved by:</b>   |       |   |      |     |      |

## COURSE DESCRIPTION

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|---|-------|---|-------|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |       |   |       |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |       |   |       |     |     |
| <b>Course ID:</b><br>FMFI.KJP/1-MXX-142/00  |       | <b>Course title:</b><br>French Language (2) |       |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning   |       |   |       |     |     |
| <b>Number of credits:</b> 2   |       |   |       |     |     |
| <b>Recommended semester:</b> 2.   |       |   |       |     |     |
| <b>Educational level:</b> I., II.   |       |   |       |     |     |
| <b>Prerequisites:</b>   |       |   |       |     |     |
| <b>Course requirements:</b>   |       |   |       |     |     |
| <b>Learning outcomes:</b>   |       |   |       |     |     |
| <b>Class syllabus:</b><br>The subject continues the program of French language (1) and provides courses of essential and intermediate French language.  |       |   |       |     |     |
| <b>Recommended literature:</b><br>Pravda, Pravdová: Učebnica francúzštiny pre samoukov a kurzy, SPN Bratislava 1999, ISBN 80-08-00431-2<br>Blažena Srncová: Učebnica francúzštiny pre študentov Matematicko-fyzikálnej fakulty , UK 1983<br>Kolektív Lingea, s.r.o.: Slovensko-francúzsky hovorník, Bratislava 2008 |       |   |       |     |     |
| <b>Languages necessary to complete the course:</b>  |       |   |       |     |     |
| <b>Notes:</b>   |       |   |       |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 259   |       |   |       |     |     |
| A   | B     | C   | D     | E   | FX  |
| 38,22   | 25,87 | 20,08                                       | 10,42 | 2,7 | 2,7 |
| <b>Lecturers:</b> Mgr. Ľubomíra Kožehubová  |       |   |       |     |     |
| <b>Last change:</b> 02.06.2015  |       |   |       |     |     |
| <b>Approved by:</b>   |       |   |       |     |     |

## COURSE DESCRIPTION

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|---|-------|---|------|------|------|
| <b>University:</b> Comenius University in Bratislava  |       |   |      |      |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |       |   |      |      |      |
| <b>Course ID:</b><br>FMFL.KJP/1-MXX-241/00  |       | <b>Course title:</b><br>French Language (3) |      |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week: 2 per level/semester: 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> I., II.   |       |   |      |      |      |
| <b>Prerequisites:</b>   |       |   |      |      |      |
| <b>Course requirements:</b>   |       |   |      |      |      |
| <b>Learning outcomes:</b>   |       |   |      |      |      |
| <b>Class syllabus:</b><br>The subject provides a course of intermediate French language, covering not only general, but also technical language.  |       |   |      |      |      |
| <b>Recommended literature:</b><br>Pravda, Pravdová: Učebnica francúzštiny pre samoukov a kurzy, SPN Bratislava 1999, ISBN 80-08-00431-2<br>Blažena Srncová: Učebnica francúzštiny pre študentov Matematicko-fyzikálnej fakulty , UK 1983<br>Kolektív Lingea, s.r.o.: Slovensko-francúzsky hovorník, Bratislava 2008 |       |   |      |      |      |
| <b>Languages necessary to complete the course:</b>  |       |   |      |      |      |
| <b>Notes:</b>   |       |   |      |      |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 101   |       |   |      |      |      |
| A   | B     | C   | D    | E    | FX   |
| 37,62   | 28,71 | 21,78                                       | 6,93 | 0,99 | 3,96 |
| <b>Lecturers:</b> Mgr. Ľubomíra Kožehubová  |       |   |      |      |      |
| <b>Last change:</b> 02.06.2015  |       |   |      |      |      |
| <b>Approved by:</b>   |       |   |      |      |      |

## COURSE DESCRIPTION

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|--|------|---|------|------|------|
| <b>University:</b> Comenius University in Bratislava   |      |   |      |      |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |   |      |      |      |
| <b>Course ID:</b><br>FMFL.KJP/1-MXX-242/00   |      | <b>Course title:</b><br>French Language (4) |      |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning  |      |   |      |      |      |
| <b>Number of credits:</b> 2  |      |   |      |      |      |
| <b>Recommended semester:</b> 4.  |      |   |      |      |      |
| <b>Educational level:</b> I., II.  |      |   |      |      |      |
| <b>Prerequisites:</b>  |      |   |      |      |      |
| <b>Course requirements:</b>  |      |   |      |      |      |
| <b>Learning outcomes:</b>  |      |   |      |      |      |
| <b>Class syllabus:</b><br>The subject provides a course of intermediate French covering not only general, but also technical French language.  |      |   |      |      |      |
| <b>Recommended literature:</b><br>Pravda, Pravdová: Učebnica francúzštiny pre samoukov a kurzy, SPN Bratislava 1999, ISBN 80-08-00431-2<br>Blažena Srncová: Učebnica francúzštiny pre študentov Matematicko-fyzikálnej fakulty , UK 1983<br>Kolektív Lingea, s.r.o.: Slovensko-francúzsky hovorník, Bratislava 2008<br>Zarha Lahmidi: Sciences-techniques.com, ISBN 209-0331186-0, CLE international, 2005 |      |   |      |      |      |
| <b>Languages necessary to complete the course:</b>   |      |   |      |      |      |
| <b>Notes:</b>  |      |   |      |      |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 71   |      |   |      |      |      |
| A  | B    | C   | D    | E    | FX   |
| 39,44  | 33,8 | 18,31                                       | 2,82 | 1,41 | 4,23 |
| <b>Lecturers:</b> Mgr. Ľubomíra Kožehubová   |      |   |      |      |      |
| <b>Last change:</b> 02.06.2015   |      |   |      |      |      |
| <b>Approved by:</b>  |      |   |      |      |      |

## COURSE DESCRIPTION

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|--|-------|---|------|------|------|
| <b>University:</b> Comenius University in Bratislava   |       |   |      |      |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |       |   |      |      |      |
| <b>Course ID:</b><br>FMFI.KJP/1-MXX-151/00   |       | <b>Course title:</b><br>German Language (1) |      |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning  |       |   |      |      |      |
| <b>Number of credits:</b> 2  |       |   |      |      |      |
| <b>Recommended semester:</b> 1.  |       |   |      |      |      |
| <b>Educational level:</b> I., II.  |       |   |      |      |      |
| <b>Prerequisites:</b>  |       |   |      |      |      |
| <b>Course requirements:</b>  |       |   |      |      |      |
| <b>Learning outcomes:</b>  |       |   |      |      |      |
| <b>Class syllabus:</b><br>German language is taught at three levels: beginner, intermediate and advanced. Students opt for one of them depending on whether they need to learn the fundamentals or maintain and/or improve their previous knowledge. |       |   |      |      |      |
| <b>Recommended literature:</b><br>Vilášek, P.: Nemčina pre študentov FMFI, Na webovej stránke autora v elektronickej podobe.   |       |   |      |      |      |
| <b>Languages necessary to complete the course:</b>   |       |   |      |      |      |
| <b>Notes:</b>  |       |   |      |      |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 717  |       |   |      |      |      |
| A  | B     | C   | D    | E    | FX   |
| 35,43  | 27,62 | 19,8  | 9,21 | 2,79 | 5,16 |
| <b>Lecturers:</b> Mgr. Alexandra Maďarová, Mgr. Marián Mancovič  |       |   |      |      |      |
| <b>Last change:</b> 02.06.2015   |       |   |      |      |      |
| <b>Approved by:</b>  |       |   |      |      |      |

## COURSE DESCRIPTION

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|---|-------|---|-------|------|------|
| <b>University:</b> Comenius University in Bratislava  |       |   |       |      |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |       |   |       |      |      |
| <b>Course ID:</b><br>FMFI.KJP/1-MXX-152/00  |       | <b>Course title:</b><br>German Language (2) |       |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |       |   |       |      |      |
| <b>Number of credits:</b> 2   |       |   |       |      |      |
| <b>Recommended semester:</b> 2.   |       |   |       |      |      |
| <b>Educational level:</b> I., II.   |       |   |       |      |      |
| <b>Prerequisites:</b>   |       |   |       |      |      |
| <b>Course requirements:</b>   |       |   |       |      |      |
| <b>Learning outcomes:</b>   |       |   |       |      |      |
| <b>Class syllabus:</b><br>The course continues the program of German language (1). German language is taught at three levels: beginner, intermediate, advanced.                                       |       |   |       |      |      |
| <b>Recommended literature:</b><br>Vilášek, P.: Nemčina pre študentov FMFI, Na webovej stránke autora v elektronickej podobe.  |       |   |       |      |      |
| <b>Languages necessary to complete the course:</b>  |       |   |       |      |      |
| <b>Notes:</b>   |       |   |       |      |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 468   |       |   |       |      |      |
| A   | B     | C   | D     | E    | FX   |
| 35,47   | 20,51 | 20,73                                       | 13,46 | 3,42 | 6,41 |
| <b>Lecturers:</b> Mgr. Alexandra Maďarová   |       |   |       |      |      |
| <b>Last change:</b> 02.06.2015  |       |   |       |      |      |
| <b>Approved by:</b>   |       |   |       |      |      |



## COURSE DESCRIPTION

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|--|-------|---|------|------|------|
| <b>University:</b> Comenius University in Bratislava   |       |   |      |      |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |       |   |      |      |      |
| <b>Course ID:</b><br>FMFI.KJP/1-MXX-251/00   |       | <b>Course title:</b><br>German Language (3) |      |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week: 2 per level/semester: 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> I., II.  |       |   |      |      |      |
| <b>Prerequisites:</b>  |       |   |      |      |      |
| <b>Course requirements:</b>  |       |   |      |      |      |
| <b>Learning outcomes:</b>  |       |   |      |      |      |
| <b>Class syllabus:</b><br>The subject continues the program of German language (2). It provides a course of intermediate and advanced German language.   |       |   |      |      |      |
| <b>Recommended literature:</b><br>Vilášek, P.: Nemčina pre študentov FMFI, Na webovej stránke autora v elektronickej podobe.<br>Aus moderner Technik und Naturwissenschaft, 1999, Max Hueber Verlag, D-85737, ISBN 3-19-001629-1 |       |   |      |      |      |
| <b>Languages necessary to complete the course:</b>   |       |   |      |      |      |
| <b>Notes:</b>  |       |   |      |      |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 158  |       |   |      |      |      |
| A  | B     | C   | D    | E    | FX   |
| 39,24  | 26,58 | 21,52                                       | 6,96 | 2,53 | 3,16 |
| <b>Lecturers:</b> Mgr. Alexandra Maďarová  |       |   |      |      |      |
| <b>Last change:</b> 02.06.2015   |       |   |      |      |      |
| <b>Approved by:</b>  |       |   |      |      |      |

## COURSE DESCRIPTION

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|---|-------|---|-------|------|------|
| <b>University:</b> Comenius University in Bratislava  |       |   |       |      |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |       |   |       |      |      |
| <b>Course ID:</b><br>FMFI.KJP/1-MXX-252/00  |       | <b>Course title:</b><br>German Language (4) |       |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning   |       |   |       |      |      |
| <b>Number of credits:</b> 2   |       |   |       |      |      |
| <b>Recommended semester:</b> 4.   |       |   |       |      |      |
| <b>Educational level:</b> I., II.   |       |   |       |      |      |
| <b>Prerequisites:</b>   |       |   |       |      |      |
| <b>Course requirements:</b>   |       |   |       |      |      |
| <b>Learning outcomes:</b>   |       |   |       |      |      |
| <b>Class syllabus:</b><br>The subject continues the program of German language (3). It provides a course of intermediate and advanced German language.  |       |   |       |      |      |
| <b>Recommended literature:</b><br>Vilášek, P.: Nemčina pre študentov FMFI, Na webovej stránke autora v elektronickej podobe.<br>Vilma Václavíková: Nemčina pre študentov MFF UK, Vysokoškolský učebný text pre potrebu študentov KJP, č. 9793/1982 C VIII/2, 1983 |       |   |       |      |      |
| <b>Languages necessary to complete the course:</b>  |       |   |       |      |      |
| <b>Notes:</b>   |       |   |       |      |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 85  |       |   |       |      |      |
| A   | B     | C   | D     | E    | FX   |
| 40,0  | 25,88 | 12,94                                       | 11,76 | 3,53 | 5,88 |
| <b>Lecturers:</b> Mgr. Alexandra Maďarová   |       |   |       |      |      |
| <b>Last change:</b> 02.06.2015  |       |   |       |      |      |
| <b>Approved by:</b>   |       |   |       |      |      |

## COURSE DESCRIPTION

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|--|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UXX-108/00   |     | <b>Course title:</b><br>History of Informatics |     |     |     |
| <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: 72   |     |  |     |     |     |
| A  | B   | C  | D   | E   | FX  |
| 100,0  | 0,0 | 0,0  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> RNDr. Michal Winczer, PhD.   |     |  |     |     |     |
| <b>Last change:</b> 02.06.2015   |     |  |     |     |     |
| <b>Approved by:</b>  |     |  |     |     |     |

## COURSE DESCRIPTION

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|--|------|--|-----|-----|------|
| <b>University:</b> Comenius University in Bratislava   |      |  |     |     |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |  |     |     |      |
| <b>Course ID:</b><br>FMFL.KAG/2-UXX-103/00   |      | <b>Course title:</b><br>History of Mathematics |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |      |  |     |     |      |
| <b>Number of credits:</b> 2  |      |  |     |     |      |
| <b>Recommended semester:</b> 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: 43   |      |  |     |     |      |
| A  | B    | C  | D   | E   | FX   |
| 79,07  | 4,65 | 13,95  | 0,0 | 0,0 | 2,33 |
| <b>Lecturers:</b> prof. RNDr. Ladislav Kvasz, Dr.  |      |  |     |     |      |
| <b>Last change:</b> 02.06.2015   |      |  |     |     |      |
| <b>Approved by:</b>  |      |  |     |     |      |

## COURSE DESCRIPTION

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|--|------|--|------|-----|------|
| <b>University:</b> Comenius University in Bratislava   |      |  |      |     |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |  |      |     |      |
| <b>Course ID:</b><br>FMFI.KAG+KDMFI/2-<br>UMA-104/15   |      | <b>Course title:</b><br>Introduction to Didactics of Mathematics |      |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 3 <b>per level/semester:</b> 42<br><b>Form of the course:</b> on-site learning |      |  |      |     |      |
| <b>Number of credits:</b> 3  |      |  |      |     |      |
| <b>Recommended semester:</b> 1.  |      |  |      |     |      |
| <b>Educational level:</b> II., 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: 121  |      |  |      |     |      |
| A  | B    | C  | D    | E   | FX   |
| 90,91  | 5,79 | 0,83   | 0,83 | 0,0 | 1,65 |
| <b>Lecturers:</b> prof. RNDr. Pavol Zlatoš, PhD., PaedDr. Mária Slavíčková, PhD.   |      |  |      |     |      |
| <b>Last change:</b> 02.06.2015   |      |  |      |     |      |
| <b>Approved by:</b>  |      |  |      |     |      |

## COURSE DESCRIPTION

|   |      |  |     |      |     |
|---|------|--|-----|------|-----|
| <b>University:</b> Comenius University in Bratislava  |      |  |     |      |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |      |  |     |      |     |
| <b>Course ID:</b><br>FMFI.KAG+KI/2-<br>UMA-164/15   |      | <b>Course title:</b><br>Introduction to Graph Theory |     |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> course<br><b>Number of hours:</b><br><b>per week:</b> 3 <b>per level/semester:</b> 42<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>Antirequisites:</b> FMFI.KAGDM/1-UMA-311/00  |      |  |     |      |     |
| <b>Course requirements:</b>   |      |  |     |      |     |
| <b>Learning outcomes:</b>   |      |  |     |      |     |
| <b>Class syllabus:</b>  |      |  |     |      |     |
| <b>Recommended literature:</b>  |      |  |     |      |     |
| <b>Languages necessary to complete the course:</b>  |      |  |     |      |     |
| <b>Notes:</b>   |      |  |     |      |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 82  |      |  |     |      |     |
| A   | B    | C  | D   | E    | FX  |
| 93,9  | 4,88 | 0,0  | 0,0 | 1,22 | 0,0 |
| <b>Lecturers:</b> RNDr. Jana Tomanová, CSc.   |      |  |     |      |     |
| <b>Last change:</b> 02.06.2015  |      |  |     |      |     |
| <b>Approved by:</b>   |      |  |     |      |     |

## COURSE DESCRIPTION

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|--|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UMA-218/11   |     | <b>Course title:</b><br>Mathematical Background of Music |     |     |     |
| <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: 13   |     |  |     |     |     |
| A  | B   | C  | D   | E   | FX  |
| 100,0  | 0,0 | 0,0  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> PaedDr. Mária Slavíčková, PhD.   |     |  |     |     |     |
| <b>Last change:</b>  |     |  |     |     |     |
| <b>Approved by:</b>  |     |  |     |     |     |

## COURSE DESCRIPTION

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|--|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UMA-231/10   |     | <b>Course title:</b><br>Mathematical Competitions and Seminars |     |     |     |
| <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> 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: 63   |     |  |     |     |     |
| A  | B   | C  | D   | E   | FX  |
| 100,0  | 0,0 | 0,0  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> PaedDr. Peter Vankúš, PhD.   |     |  |     |     |     |
| <b>Last change:</b> 24.04.2017   |     |  |     |     |     |
| <b>Approved by:</b>  |     |  |     |     |     |



## COURSE DESCRIPTION

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|--|------|--|-----|------|------|
| <b>University:</b> Comenius University in Bratislava   |      |  |     |      |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |  |     |      |      |
| <b>Course ID:</b><br>FMFL.KAG+KDMFI/2-<br>UMA-257/15   |      | <b>Course title:</b><br>Methods for Solving Mathematical Tasks (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: 103  |      |  |     |      |      |
| A  | B    | C  | D   | E    | FX   |
| 85,44  | 5,83 | 1,94   | 0,0 | 0,97 | 5,83 |
| <b>Lecturers:</b> doc. RNDr. Juraj Činčura, CSc., PaedDr. Mária Slavíčková, PhD., Mgr. Martina Babinská, PhD.  |      |  |     |      |      |
| <b>Last change:</b> 02.06.2015   |      |  |     |      |      |
| <b>Approved by:</b>  |      |  |     |      |      |

## COURSE DESCRIPTION

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|--|------|--|-----|-----|------|
| <b>University:</b> Comenius University in Bratislava   |      |  |     |     |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |  |     |     |      |
| <b>Course ID:</b><br>FMFI.KAG+KDMFI/2-<br>UMA-258/15   |      | <b>Course title:</b><br>Methods for Solving Mathematical Tasks (2) |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 3 <b>per level/semester:</b> 42<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: 70   |      |  |     |     |      |
| A  | B    | C  | D   | E   | FX   |
| 91,43  | 4,29 | 1,43   | 0,0 | 0,0 | 2,86 |
| <b>Lecturers:</b> doc. RNDr. Štefan Solčan, CSc., RNDr. Monika Dillingerová, PhD.  |      |  |     |     |      |
| <b>Last change:</b> 02.06.2015   |      |  |     |     |      |
| <b>Approved by:</b>  |      |  |     |     |      |

## COURSE DESCRIPTION

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|--|------|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |      |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |  |     |     |     |
| <b>Course ID:</b><br>FMFI.KDMFI/2-UFY-115/15   |      | <b>Course title:</b><br>Methods for Solving Physical Tasks |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 3 <b>per level/semester:</b> 42<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., 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: 48   |      |  |     |     |     |
| A  | B    | C  | D   | E   | FX  |
| 89,58  | 6,25 | 4,17   | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. PaedDr. Klára Velmovská, PhD.   |      |  |     |     |     |
| <b>Last change:</b> 02.06.2015   |      |  |     |     |     |
| <b>Approved by:</b>  |      |  |     |     |     |

## COURSE DESCRIPTION

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|--|------|---|-----|-----|------|
| <b>University:</b> Comenius University in Bratislava   |      |   |     |     |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |   |     |     |      |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UMA-114/15   |      | <b>Course title:</b><br>New Pedagogical Approaches in Teaching Not Only Mathematics |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 3 <b>per level/semester:</b> 42<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., 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: 41   |      |   |     |     |      |
| A  | B    | C   | D   | E   | FX   |
| 85,37  | 7,32 | 4,88  | 0,0 | 0,0 | 2,44 |
| <b>Lecturers:</b> RNDr. Monika Dillingerová, PhD.  |      |   |     |     |      |
| <b>Last change:</b> 22.05.2019   |      |   |     |     |      |
| <b>Approved by:</b>  |      |   |     |     |      |

## COURSE DESCRIPTION

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|---|------|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |      |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |      |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KAG/2-UMA-162/15  |      | <b>Course title:</b><br>Non-Euclidean Geometry |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> course<br><b>Number of hours:</b><br><b>per week:</b> 3 <b>per level/semester:</b> 42<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: 26  |      |  |     |     |     |
| A   | B    | C  | D   | E   | FX  |
| 80,77   | 7,69 | 11,54  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Tomáš Rusin, PhD.  |      |  |     |     |     |
| <b>Last change:</b> 02.06.2015  |      |  |     |     |     |
| <b>Approved by:</b>   |      |  |     |     |     |

## COURSE DESCRIPTION

|  |       |   |      |      |     |
|--|-------|---|------|------|-----|
| <b>University:</b> Comenius University in Bratislava   |       |   |      |      |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |       |   |      |      |     |
| <b>Course ID:</b><br>FMFI.KDMFI/2-UXX-121/18   |       | <b>Course title:</b><br>Pedagogic Diagnostics |      |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |       |   |      |      |     |
| <b>Number of credits:</b> 2  |       |   |      |      |     |
| <b>Recommended semester:</b> 2.  |       |   |      |      |     |
| <b>Educational level:</b> II.  |       |   |      |      |     |
| <b>Prerequisites:</b>  |       |   |      |      |     |
| <b>Antirequisites:</b> FMFI-Prif.KDPP/2-UXX-121/15   |       |   |      |      |     |
| <b>Course requirements:</b>  |       |   |      |      |     |
| <b>Learning outcomes:</b>  |       |   |      |      |     |
| <b>Class syllabus:</b>   |       |   |      |      |     |
| <b>Recommended literature:</b>   |       |   |      |      |     |
| <b>Languages necessary to complete the course:</b>   |       |   |      |      |     |
| <b>Notes:</b>  |       |   |      |      |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 278  |       |   |      |      |     |
| A  | B     | C   | D    | E    | FX  |
| 43,53  | 28,78 | 18,71   | 5,04 | 2,16 | 1,8 |
| <b>Lecturers:</b> Mgr. Ľudmila Skačanová   |       |   |      |      |     |
| <b>Last change:</b> 14.02.2021   |       |   |      |      |     |
| <b>Approved by:</b>  |       |   |      |      |     |

## COURSE DESCRIPTION

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|---|-------|--|------|------|------|
| <b>University:</b> Comenius University in Bratislava  |       |  |      |      |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |       |  |      |      |      |
| <b>Course ID:</b><br>FMFI.KDMFI/2-UXX-123/15  |       | <b>Course title:</b><br>Pedagogic Research Methodology (1) |      |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> course<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., 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: 124   |       |  |      |      |      |
| A   | B     | C  | D    | E    | FX   |
| 66,13   | 20,97 | 6,45   | 1,61 | 2,42 | 2,42 |
| <b>Lecturers:</b> PaedDr. Mária Slavíčková, PhD., Mgr. Karolína Miková, PhD.  |       |  |      |      |      |
| <b>Last change:</b> 08.06.2017  |       |  |      |      |      |
| <b>Approved by:</b>   |       |  |      |      |      |

## COURSE DESCRIPTION

|   |      |  |      |      |       |
|---|------|--|------|------|-------|
| <b>University:</b> Comenius University in Bratislava  |      |  |      |      |       |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |      |  |      |      |       |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UXX-124/15  |      | <b>Course title:</b><br>Pedagogic Research Methodology (2) |      |      |       |
| <b>Educational activities:</b><br><b>Type of activities:</b> course<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: 31  |      |  |      |      |       |
| A   | B    | C  | D    | E    | FX    |
| 67,74   | 6,45 | 3,23   | 3,23 | 3,23 | 16,13 |
| <b>Lecturers:</b> Mgr. Karolína Miková, PhD., PaedDr. Mária Slavičková, PhD.  |      |  |      |      |       |
| <b>Last change:</b> 08.06.2017  |      |  |      |      |       |
| <b>Approved by:</b>   |      |  |      |      |       |



## COURSE DESCRIPTION

|  |      |   |      |      |     |
|--|------|---|------|------|-----|
| <b>University:</b> Comenius University in Bratislava   |      |   |      |      |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |   |      |      |     |
| <b>Course ID:</b><br>FMFI-PriF.KDPP/2-<br>UXX-122/15   |      | <b>Course title:</b><br>Philosophical Anthropology and Axiology |      |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |      |   |      |      |     |
| <b>Number of credits:</b> 2  |      |   |      |      |     |
| <b>Recommended semester:</b> 3.  |      |   |      |      |     |
| <b>Educational level:</b> II.  |      |   |      |      |     |
| <b>Prerequisites:</b>  |      |   |      |      |     |
| <b>Antirequisites:</b> FMFI-PriF.KDPP/2-UXX-122/10   |      |   |      |      |     |
| <b>Course requirements:</b>  |      |   |      |      |     |
| <b>Learning outcomes:</b>  |      |   |      |      |     |
| <b>Class syllabus:</b>   |      |   |      |      |     |
| <b>Recommended literature:</b>   |      |   |      |      |     |
| <b>Languages necessary to complete the course:</b>   |      |   |      |      |     |
| <b>Notes:</b>  |      |   |      |      |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 140  |      |   |      |      |     |
| A  | B    | C   | D    | E    | FX  |
| 77,14  | 20,0 | 1,43  | 0,71 | 0,71 | 0,0 |
| <b>Lecturers:</b> Mgr. Štefan Zolcer, PhD.   |      |   |      |      |     |
| <b>Last change:</b> 02.06.2015   |      |   |      |      |     |
| <b>Approved by:</b>  |      |   |      |      |     |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava   |      |  |     |     |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |  |     |     |      |
| <b>Course ID:</b><br>FMFI.KTV/2-MXX-110/00   |      | <b>Course title:</b><br>Physical Education and Sport (1) |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning  |      |  |     |     |      |
| <b>Number of credits:</b> 2  |      |  |     |     |      |
| <b>Recommended semester:</b> 1.  |      |  |     |     |      |
| <b>Educational level:</b> II.  |      |  |     |     |      |
| <b>Prerequisites:</b>  |      |  |     |     |      |
| <b>Course requirements:</b>  |      |  |     |     |      |
| <b>Learning outcomes:</b>  |      |  |     |     |      |
| <b>Class syllabus:</b><br>Practicing of the students' game skills in collective sports: basketball, volleyball, football, floorball and hockey. Mastering of the basic technique of a particular sport discipline in other sports. In paddling, basic training on still and slightly flowing water. Development of coordination skills, improvement of articular mobility and cardiovascular system. |      |  |     |     |      |
| <b>Recommended literature:</b>   |      |  |     |     |      |
| <b>Languages necessary to complete the course:</b>   |      |  |     |     |      |
| <b>Notes:</b>  |      |  |     |     |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1594   |      |  |     |     |      |
| A  | B    | C  | D   | E   | FX   |
| 98,56  | 0,56 | 0,06   | 0,0 | 0,0 | 0,82 |
| <b>Lecturers:</b> PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Ondrej Podkonický, Mgr. Jana Leginusová, Mgr. Tomáš Kuchár, PhD., PaedDr. Mikuláš Ortutay, Mgr. Martin Dovičák, PhD., Mgr. Júlia Raábová, PhD., Mgr. Branislav Nedbálek  |      |  |     |     |      |
| <b>Last change:</b> 02.06.2015   |      |  |     |     |      |
| <b>Approved by:</b>  |      |  |     |     |      |

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|--|------|--|------|-----|------|
| <b>University:</b> Comenius University in Bratislava   |      |  |      |     |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |  |      |     |      |
| <b>Course ID:</b><br>FMFL.KTV/2-MXX-120/00   |      | <b>Course title:</b><br>Physical Education and Sport (2) |      |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning  |      |  |      |     |      |
| <b>Number of credits:</b> 2  |      |  |      |     |      |
| <b>Recommended semester:</b> 2.  |      |  |      |     |      |
| <b>Educational level:</b> II.  |      |  |      |     |      |
| <b>Prerequisites:</b>  |      |  |      |     |      |
| <b>Course requirements:</b>  |      |  |      |     |      |
| <b>Learning outcomes:</b>  |      |  |      |     |      |
| <b>Class syllabus:</b><br>Practicing of offensive and defensive game combinations and playing with modified rules in collective sports such as basketball, volleyball, football, floorball, hockey. Command of elements of higher difficulty in locomotion skills (swimming - crawl stroke, breast stroke, butterfly stroke, trampoline jumping and aerobics – practicing of areobics compositions, bodybuilding – development of the main muscle groups, paddling on running water. Testing of the level of physical fitness and coordination skills. |      |  |      |     |      |
| <b>Recommended literature:</b>   |      |  |      |     |      |
| <b>Languages necessary to complete the course:</b>   |      |  |      |     |      |
| <b>Notes:</b>  |      |  |      |     |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1458   |      |  |      |     |      |
| A  | B    | C  | D    | E   | FX   |
| 98,97  | 0,41 | 0,07   | 0,07 | 0,0 | 0,48 |
| <b>Lecturers:</b> Mgr. Martin Dovičák, PhD., Mgr. Tomáš Kuchár, PhD., Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Branislav Nedbálek, PaedDr. Mikuláš Ortutay, Mgr. Ondrej Podkonický, Mgr. Júlia Raábová, PhD.  |      |  |      |     |      |
| <b>Last change:</b> 02.06.2015   |      |  |      |     |      |
| <b>Approved by:</b>  |      |  |      |     |      |

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|--|------|--|-----|-----|------|
| <b>University:</b> Comenius University in Bratislava   |      |  |     |     |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |  |     |     |      |
| <b>Course ID:</b><br>FMFL.KTV/2-MXX-210/00   |      | <b>Course title:</b><br>Physical Education and Sport (3) |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning  |      |  |     |     |      |
| <b>Number of credits:</b> 2  |      |  |     |     |      |
| <b>Recommended semester:</b> 3.  |      |  |     |     |      |
| <b>Educational level:</b> II.  |      |  |     |     |      |
| <b>Prerequisites:</b>  |      |  |     |     |      |
| <b>Course requirements:</b>  |      |  |     |     |      |
| <b>Learning outcomes:</b>  |      |  |     |     |      |
| <b>Class syllabus:</b><br>To improve offensive and defensive game combinations in collective sports. Practicing of tactical and technical elements in individual sports. Compensatory exercises to correct wrong body posture. Stretching. Competition rules in sport disciplines. |      |  |     |     |      |
| <b>Recommended literature:</b>   |      |  |     |     |      |
| <b>Languages necessary to complete the course:</b>   |      |  |     |     |      |
| <b>Notes:</b>  |      |  |     |     |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1219   |      |  |     |     |      |
| A  | B    | C  | D   | E   | FX   |
| 99,02  | 0,41 | 0,0  | 0,0 | 0,0 | 0,57 |
| <b>Lecturers:</b> PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Ondrej Podkonický, Mgr. Jana Leginusová, Mgr. Tomáš Kuchár, PhD., PaedDr. Mikuláš Ortutay, Mgr. Martin Dovičák, PhD., Mgr. Júlia Raábová, PhD., Mgr. Branislav Nedbálek  |      |  |     |     |      |
| <b>Last change:</b> 02.06.2015   |      |  |     |     |      |
| <b>Approved by:</b>  |      |  |     |     |      |

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|--|------|--|-----|------|------|
| <b>University:</b> Comenius University in Bratislava   |      |  |     |      |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |  |     |      |      |
| <b>Course ID:</b><br>FMFL.KTV/2-MXX-220/00   |      | <b>Course title:</b><br>Physical Education and Sport (4) |     |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning  |      |  |     |      |      |
| <b>Number of credits:</b> 2  |      |  |     |      |      |
| <b>Recommended semester:</b> 4.  |      |  |     |      |      |
| <b>Educational level:</b> II.  |      |  |     |      |      |
| <b>Prerequisites:</b>  |      |  |     |      |      |
| <b>Course requirements:</b>  |      |  |     |      |      |
| <b>Learning outcomes:</b>  |      |  |     |      |      |
| <b>Class syllabus:</b><br>Sport training for Faculty Championships in a selected sport with modified rules. Selection of sport-talented students into teams of the Faculty Sport League, University League of Bratislava Faculties, and participation in sport events of the Faculty and University. |      |  |     |      |      |
| <b>Recommended literature:</b>   |      |  |     |      |      |
| <b>Languages necessary to complete the course:</b>   |      |  |     |      |      |
| <b>Notes:</b>  |      |  |     |      |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1056   |      |  |     |      |      |
| A  | B    | C  | D   | E    | FX   |
| 99,05  | 0,38 | 0,09   | 0,0 | 0,09 | 0,38 |
| <b>Lecturers:</b> PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Ondrej Podkonický, Mgr. Jana Leginusová, Mgr. Tomáš Kuchár, PhD., PaedDr. Mikuláš Ortutay, Mgr. Martin Dovičák, PhD., Mgr. Branislav Nedbálek, Mgr. Júlia Raábová, PhD.  |      |  |     |      |      |
| <b>Last change:</b> 02.06.2015   |      |  |     |      |      |
| <b>Approved by:</b>  |      |  |     |      |      |

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| <b>University:</b> Comenius University in Bratislava   |     |   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |   |     |     |     |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UFY-111/15   |     | <b>Course title:</b><br>Practical in Class Experiments in Physics (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., 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: 50   |     |   |     |     |     |
| A  | B   | C   | D   | E   | FX  |
| 92,0   | 6,0 | 0,0   | 0,0 | 0,0 | 2,0 |
| <b>Lecturers:</b> PaedDr. Peter Horváth, PhD.  |     |   |     |     |     |
| <b>Last change:</b> 02.06.2015   |     |   |     |     |     |
| <b>Approved by:</b>  |     |   |     |     |     |

## COURSE DESCRIPTION

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|--|------|---|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |      |   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |   |     |     |     |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UFY-211/15   |      | <b>Course title:</b><br>Practical in Class Experiments in Physics (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> 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: 37   |      |   |     |     |     |
| A  | B    | C   | D   | E   | FX  |
| 86,49  | 8,11 | 2,7   | 0,0 | 2,7 | 0,0 |
| <b>Lecturers:</b> PaedDr. Peter Horváth, PhD., doc. Mgr. PaedDr. Viera Haverlíková, PhD.   |      |   |     |     |     |
| <b>Last change:</b> 02.06.2015   |      |   |     |     |     |
| <b>Approved by:</b>  |      |   |     |     |     |

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| <b>University:</b> Comenius University in Bratislava   |     |   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |   |     |     |     |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UFY-165/15   |     | <b>Course title:</b><br>Practical in Class Experiments in Physics (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> 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: 40   |     |   |     |     |     |
| A  | B   | C   | D   | E   | FX  |
| 100,0  | 0,0 | 0,0   | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> PaedDr. Peter Horváth, PhD.  |     |   |     |     |     |
| <b>Last change:</b> 02.06.2015   |     |   |     |     |     |
| <b>Approved by:</b>  |     |   |     |     |     |



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|--|-----|---|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |   |     |     |     |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UMA-253/19   |     | <b>Course title:</b><br>Problematic Topics of Elementary School Mathematics |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |     |   |     |     |     |
| <b>Number of credits:</b> 2  |     |   |     |     |     |
| <b>Recommended semester:</b> 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: 3  |     |   |     |     |     |
| A  | B   | C   | D   | E   | FX  |
| 100,0  | 0,0 | 0,0   | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> PaedDr. Mária Slavíčková, PhD.   |     |   |     |     |     |
| <b>Last change:</b>  |     |   |     |     |     |
| <b>Approved by:</b>  |     |   |     |     |     |

## COURSE DESCRIPTION

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|---|-------|--|------|-----|------|
| <b>University:</b> Comenius University in Bratislava  |       |  |      |     |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |       |  |      |     |      |
| <b>Course ID:</b><br>FMFL.KJP/1-MXX-161/00  |       | <b>Course title:</b><br>Russian Language (1) |      |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |       |  |      |     |      |
| <b>Number of credits:</b> 2   |       |  |      |     |      |
| <b>Recommended semester:</b> 1.   |       |  |      |     |      |
| <b>Educational level:</b> I., II.   |       |  |      |     |      |
| <b>Prerequisites:</b>   |       |  |      |     |      |
| <b>Course requirements:</b>   |       |  |      |     |      |
| <b>Learning outcomes:</b>   |       |  |      |     |      |
| <b>Class syllabus:</b><br>The subject provides a course in Russian language for beginners.  |       |  |      |     |      |
| <b>Recommended literature:</b><br>The textbook has not been published. It is at students' disposal in an electronic format.   |       |  |      |     |      |
| <b>Languages necessary to complete the course:</b>  |       |  |      |     |      |
| <b>Notes:</b>   |       |  |      |     |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 685   |       |  |      |     |      |
| A   | B     | C  | D    | E   | FX   |
| 58,98   | 16,35 | 10,51  | 4,53 | 1,9 | 7,74 |
| <b>Lecturers:</b> PhDr. Elena Klátiková   |       |  |      |     |      |
| <b>Last change:</b> 02.06.2015  |       |  |      |     |      |
| <b>Approved by:</b>   |       |  |      |     |      |

## COURSE DESCRIPTION

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|---|-------|--|------|------|------|
| <b>University:</b> Comenius University in Bratislava  |       |  |      |      |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |       |  |      |      |      |
| <b>Course ID:</b><br>FMFL.KJP/1-MXX-162/00  |       | <b>Course title:</b><br>Russian Language (2) |      |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |       |  |      |      |      |
| <b>Number of credits:</b> 2   |       |  |      |      |      |
| <b>Recommended semester:</b> 2.   |       |  |      |      |      |
| <b>Educational level:</b> I., II.   |       |  |      |      |      |
| <b>Prerequisites:</b>   |       |  |      |      |      |
| <b>Course requirements:</b>   |       |  |      |      |      |
| <b>Learning outcomes:</b>   |       |  |      |      |      |
| <b>Class syllabus:</b><br>The subject continues the program of Russian language (1) and provides a course of Russian for beginners.   |       |  |      |      |      |
| <b>Recommended literature:</b><br>The textbook has not been published. It is at students' disposal in an electronic format.   |       |  |      |      |      |
| <b>Languages necessary to complete the course:</b>  |       |  |      |      |      |
| <b>Notes:</b>   |       |  |      |      |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 414   |       |  |      |      |      |
| A   | B     | C  | D    | E    | FX   |
| 65,94   | 15,22 | 8,7  | 3,86 | 0,97 | 5,31 |
| <b>Lecturers:</b> PhDr. Elena Klátiková   |       |  |      |      |      |
| <b>Last change:</b> 02.06.2015  |       |  |      |      |      |
| <b>Approved by:</b>   |       |  |      |      |      |

## COURSE DESCRIPTION

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|---|-------|--|------|-----|------|
| <b>University:</b> Comenius University in Bratislava  |       |  |      |     |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |       |  |      |     |      |
| <b>Course ID:</b><br>FMFL.KJP/1-MXX-261/00  |       | <b>Course title:</b><br>Russian Language (3) |      |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning         |       |  |      |     |      |
| <b>Number of credits:</b> 2   |       |  |      |     |      |
| <b>Recommended semester:</b> 3.   |       |  |      |     |      |
| <b>Educational level:</b> I., II.   |       |  |      |     |      |
| <b>Prerequisites:</b>   |       |  |      |     |      |
| <b>Course requirements:</b>   |       |  |      |     |      |
| <b>Learning outcomes:</b>   |       |  |      |     |      |
| <b>Class syllabus:</b><br>The course "Russian for Intermediate Students" is a follow-up to "Russian for Beginners". The subject of the course is general Russian in the range appropriate to the given level. |       |  |      |     |      |
| <b>Recommended literature:</b><br>The textbook has not been published. It is at students' disposal in an electronic format.   |       |  |      |     |      |
| <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   |
| 70,05   | 17,77 | 8,63   | 2,54 | 0,0 | 1,02 |
| <b>Lecturers:</b> PhDr. Elena Klátiková   |       |  |      |     |      |
| <b>Last change:</b> 02.06.2015  |       |  |      |     |      |
| <b>Approved by:</b>   |       |  |      |     |      |

## COURSE DESCRIPTION

|   |       |  |      |     |     |
|---|-------|--|------|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |       |  |      |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |       |  |      |     |     |
| <b>Course ID:</b><br>FMFL.KJP/1-MXX-262/00  |       | <b>Course title:</b><br>Russian Language (4) |      |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning         |       |  |      |     |     |
| <b>Number of credits:</b> 2   |       |  |      |     |     |
| <b>Recommended semester:</b> 4.   |       |  |      |     |     |
| <b>Educational level:</b> I., II.   |       |  |      |     |     |
| <b>Prerequisites:</b>   |       |  |      |     |     |
| <b>Course requirements:</b>   |       |  |      |     |     |
| <b>Learning outcomes:</b>   |       |  |      |     |     |
| <b>Class syllabus:</b><br>The course "Russian for Intermediate Students" is a follow-up to "Russian for Beginners". The subject of the course is general Russian in the range appropriate to the given level. |       |  |      |     |     |
| <b>Recommended literature:</b><br>The textbook has not been published. It is at students' disposal in an electronic format.   |       |  |      |     |     |
| <b>Languages necessary to complete the course:</b>  |       |  |      |     |     |
| <b>Notes:</b>   |       |  |      |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 142   |       |  |      |     |     |
| A   | B     | C  | D    | E   | FX  |
| 75,35   | 13,38 | 7,04   | 2,82 | 0,7 | 0,7 |
| <b>Lecturers:</b> PhDr. Elena Klátiková   |       |  |      |     |     |
| <b>Last change:</b> 02.06.2015  |       |  |      |     |     |
| <b>Approved by:</b>   |       |  |      |     |     |

## COURSE DESCRIPTION

|   |       |   |       |      |     |
|---|-------|---|-------|------|-----|
| <b>University:</b> Comenius University in Bratislava  |       |   |       |      |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |       |   |       |      |     |
| <b>Course ID:</b><br>FMFL.KMANM/2-<br>UMA-111/15  |       | <b>Course title:</b><br>Selected Parts of Mathematical Analysis (1) |       |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> course<br><b>Number of hours:</b><br><b>per week:</b> 4 <b>per level/semester:</b> 56<br><b>Form of the course:</b> on-site learning |       |   |       |      |     |
| <b>Number of credits:</b> 4   |       |   |       |      |     |
| <b>Recommended semester:</b> 2.   |       |   |       |      |     |
| <b>Educational level:</b> 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: 102   |       |   |       |      |     |
| A   | B     | C   | D     | E    | FX  |
| 47,06   | 15,69 | 16,67   | 11,76 | 8,82 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Ivan Kupka, CSc.   |       |   |       |      |     |
| <b>Last change:</b> 02.06.2015  |       |   |       |      |     |
| <b>Approved by:</b>   |       |   |       |      |     |

## COURSE DESCRIPTION

|   |      |   |     |      |     |
|---|------|---|-----|------|-----|
| <b>University:</b> Comenius University in Bratislava  |      |   |     |      |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |      |   |     |      |     |
| <b>Course ID:</b><br>FMFL.KMANM/2-<br>UMA-112/15  |      | <b>Course title:</b><br>Selected Parts of Mathematical Analysis (2) |     |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> course<br><b>Number of hours:</b><br><b>per week:</b> 3 <b>per level/semester:</b> 42<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: 58  |      |   |     |      |     |
| A   | B    | C   | D   | E    | FX  |
| 93,1  | 5,17 | 0,0   | 0,0 | 1,72 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Ivan Kupka, CSc.   |      |   |     |      |     |
| <b>Last change:</b> 02.06.2015  |      |   |     |      |     |
| <b>Approved by:</b>   |      |   |     |      |     |

## COURSE DESCRIPTION

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|---|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KAG/2-UMA-263/15  |     | <b>Course title:</b><br>Selected Topics in Algebra |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> course<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: 1   |     |  |     |     |     |
| A   | B   | C  | D   | E   | FX  |
| 100,0   | 0,0 | 0,0  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Martin Niepel, PhD.  |     |  |     |     |     |
| <b>Last change:</b> 02.06.2015  |     |  |     |     |     |
| <b>Approved by:</b>   |     |  |     |     |     |



## COURSE DESCRIPTION

|  |       |  |      |      |      |
|--|-------|--|------|------|------|
| <b>University:</b> Comenius University in Bratislava   |       |  |      |      |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |       |  |      |      |      |
| <b>Course ID:</b><br>FMFL.KAG+KDMFI/2-<br>UMA-283/15   |       | <b>Course title:</b><br>Selected Topics in Teaching of Mathematics (1) |      |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 3 <b>per level/semester:</b> 42<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: 73   |       |  |      |      |      |
| A  | B     | C  | D    | E    | FX   |
| 52,05  | 24,66 | 10,96  | 5,48 | 2,74 | 4,11 |
| <b>Lecturers:</b> doc. RNDr. Štefan Solčan, CSc., RNDr. Monika Dillingerová, PhD.  |       |  |      |      |      |
| <b>Last change:</b> 02.06.2015   |       |  |      |      |      |
| <b>Approved by:</b>  |       |  |      |      |      |

## COURSE DESCRIPTION

|  |       |   |      |     |     |
|--|-------|---|------|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |       |   |      |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |       |   |      |     |     |
| <b>Course ID:</b><br>FMFL.KMANM/2-<br>UMA-211/15   |       | <b>Course title:</b><br>Seminar in History of Mathematics (1) |      |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 3 <b>per level/semester:</b> 42<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., 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: 101  |       |   |      |     |     |
| A  | B     | C   | D    | E   | FX  |
| 49,5   | 40,59 | 8,91  | 0,99 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Zbyněk Kubáček, CSc.  |       |   |      |     |     |
| <b>Last change:</b> 02.06.2015   |       |   |      |     |     |
| <b>Approved by:</b>  |       |   |      |     |     |

## COURSE DESCRIPTION

|  |     |   |      |     |     |
|--|-----|---|------|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |   |      |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |   |      |     |     |
| <b>Course ID:</b><br>FMFL.KMANM/2-<br>UMA-212/15   |     | <b>Course title:</b><br>Seminar in History of Mathematics (2) |      |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |     |   |      |     |     |
| <b>Number of credits:</b> 2  |     |   |      |     |     |
| <b>Recommended semester:</b> 4.  |     |   |      |     |     |
| <b>Educational level:</b> II., 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: 101  |     |   |      |     |     |
| A  | B   | C   | D    | E   | FX  |
| 89,11  | 9,9 | 0,0   | 0,99 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Zbyněk Kubáček, CSc.  |     |   |      |     |     |
| <b>Last change:</b> 02.06.2015   |     |   |      |     |     |
| <b>Approved by:</b>  |     |   |      |     |     |

## COURSE DESCRIPTION

|   |       |                                    |      |      |     |
|---|-------|------------------------------------|------|------|-----|
| <b>University:</b> Comenius University in Bratislava  |       |                                    |      |      |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |       |                                    |      |      |     |
| <b>Course ID:</b><br>FMFL.KAG/2-UMA-115/15  |       | <b>Course title:</b><br>Set Theory |      |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> course<br><b>Number of hours:</b><br><b>per week:</b> 3 <b>per level/semester:</b> 42<br><b>Form of the course:</b> on-site learning |       |                                    |      |      |     |
| <b>Number of credits:</b> 4   |       |                                    |      |      |     |
| <b>Recommended semester:</b> 4.   |       |                                    |      |      |     |
| <b>Educational level:</b> 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: 88  |       |                                    |      |      |     |
| A   | B     | C                                  | D    | E    | FX  |
| 61,36   | 15,91 | 13,64                              | 4,55 | 4,55 | 0,0 |
| <b>Lecturers:</b> RNDr. Martin Sleziak, PhD.  |       |                                    |      |      |     |
| <b>Last change:</b> 02.06.2015  |       |                                    |      |      |     |
| <b>Approved by:</b>   |       |                                    |      |      |     |

## COURSE DESCRIPTION

|  |     |   |     |     |     |
|--|-----|---|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |   |     |     |     |
| <b>Course ID:</b><br>FMFL.KTV/2-MXX-115/17   |     | <b>Course title:</b><br>Sports in Natur (1) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |   |     |     |     |
| <b>Number of credits:</b> 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: 68   |     |   |     |     |     |
| A  | B   | C   | D   | E   | FX  |
| 100,0  | 0,0 | 0,0   | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Branislav Nedbálek  |     |   |     |     |     |
| <b>Last change:</b>  |     |   |     |     |     |
| <b>Approved by:</b>  |     |   |     |     |     |

## COURSE DESCRIPTION

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|--|-----|---|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |   |     |     |     |
| <b>Course ID:</b><br>FMFL.KTV/2-MXX-116/18   |     | <b>Course title:</b><br>Sports in Natur (2) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |   |     |     |     |
| <b>Number of credits:</b> 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: 35   |     |   |     |     |     |
| A  | B   | C   | D   | E   | FX  |
| 100,0  | 0,0 | 0,0   | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Branislav Nedbálek  |     |   |     |     |     |
| <b>Last change:</b>  |     |   |     |     |     |
| <b>Approved by:</b>  |     |   |     |     |     |

## COURSE DESCRIPTION

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|--|------|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |      |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UXX-841/15   |      | <b>Course title:</b><br>Teaching Practice in Mathematics (2) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practice<br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b> 60s<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., 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: 99   |      |  |     |     |     |
| A  | B    | C  | D   | E   | FX  |
| 97,98  | 1,01 | 1,01   | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Michaela Vargová, PhD.  |      |  |     |     |     |
| <b>Last change:</b>  |      |  |     |     |     |
| <b>Approved by:</b>  |      |  |     |     |     |

## COURSE DESCRIPTION

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|--|------|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |      |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UXX-842/15   |      | <b>Course title:</b><br>Teaching Practice in Mathematics (3) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practice<br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b> 90s<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., 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: 92   |      |  |     |     |     |
| A  | B    | C  | D   | E   | FX  |
| 93,48  | 2,17 | 4,35   | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Michaela Vargová, PhD.  |      |  |     |     |     |
| <b>Last change:</b>  |      |  |     |     |     |
| <b>Approved by:</b>  |      |  |     |     |     |



## COURSE DESCRIPTION

|  |      |  |     |     |     |
|--|------|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |      |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UXX-821/15   |      | <b>Course title:</b><br>Teaching Practice in Physics (2) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practice<br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b> 60s<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., 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: 44   |      |  |     |     |     |
| A  | B    | C  | D   | E   | FX  |
| 97,73  | 2,27 | 0,0  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> PaedDr. Peter Horváth, PhD.  |      |  |     |     |     |
| <b>Last change:</b>  |      |  |     |     |     |
| <b>Approved by:</b>  |      |  |     |     |     |

## COURSE DESCRIPTION

|  |      |  |     |     |     |
|--|------|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |      |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KDMFI/2-UXX-822/15   |      | <b>Course title:</b><br>Teaching Practice in Physics (3) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> practice<br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b> 90s<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., 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: 38   |      |  |     |     |     |
| A  | B    | C  | D   | E   | FX  |
| 97,37  | 2,63 | 0,0  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> PaedDr. Peter Horváth, PhD.  |      |  |     |     |     |
| <b>Last change:</b>  |      |  |     |     |     |
| <b>Approved by:</b>  |      |  |     |     |     |

## COURSE DESCRIPTION

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|--|------|---|------|-----|------|
| <b>University:</b> Comenius University in Bratislava   |      |   |      |     |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |   |      |     |      |
| <b>Course ID:</b><br>FMFL.KTF/2-UFY-101/15   |      | <b>Course title:</b><br>Theoretical Physics (1) |      |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / practicals<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   |
| 75,56  | 8,89 | 4,44  | 8,89 | 0,0 | 2,22 |
| <b>Lecturers:</b> prof. RNDr. Anna Dubníčková, DrSc.   |      |   |      |     |      |
| <b>Last change:</b> 02.06.2015   |      |   |      |     |      |
| <b>Approved by:</b>  |      |   |      |     |      |

## COURSE DESCRIPTION

|  |       |   |      |       |     |
|--|-------|---|------|-------|-----|
| <b>University:</b> Comenius University in Bratislava   |       |   |      |       |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |       |   |      |       |     |
| <b>Course ID:</b><br>FMFL.KTF/2-UFY-102/15   |       | <b>Course title:</b><br>Theoretical Physics (2) |      |       |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 / 1 <b>per level/semester:</b> 28 / 14<br><b>Form of the course:</b> on-site learning |       |   |      |       |     |
| <b>Number of credits:</b> 4  |       |   |      |       |     |
| <b>Recommended semester:</b> 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: 43   |       |   |      |       |     |
| A  | B     | C   | D    | E     | FX  |
| 53,49  | 23,26 | 9,3   | 2,33 | 11,63 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Anna Dubničková, DrSc.   |       |   |      |       |     |
| <b>Last change:</b>  |       |   |      |       |     |
| <b>Approved by:</b>  |       |   |      |       |     |

## COURSE DESCRIPTION

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|--|-------|---|-----|-------|-----|
| <b>University:</b> Comenius University in Bratislava   |       |   |     |       |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |       |   |     |       |     |
| <b>Course ID:</b><br>FMFL.KTF/2-UFY-253/15   |       | <b>Course title:</b><br>Theoretical Physics (3) |     |       |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / practicals<br><b>Number of hours:</b><br><b>per week:</b> 2 / 1 <b>per level/semester:</b> 28 / 14<br><b>Form of the course:</b> on-site learning |       |   |     |       |     |
| <b>Number of credits:</b> 4  |       |   |     |       |     |
| <b>Recommended semester:</b> 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: 37   |       |   |     |       |     |
| A  | B     | C   | D   | E     | FX  |
| 37,84  | 24,32 | 16,22   | 2,7 | 18,92 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Anna Dubníčková, DrSc., RNDr. Eduard Masár, PhD.   |       |   |     |       |     |
| <b>Last change:</b> 02.06.2015   |       |   |     |       |     |
| <b>Approved by:</b>  |       |   |     |       |     |

## COURSE DESCRIPTION

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|---|-----|--|-------|-------|-----|
| <b>University:</b> Comenius University in Bratislava  |     |  |       |       |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |  |       |       |     |
| <b>Course ID:</b><br>FMFL.KAG/2-UMA-265/15  |     | <b>Course title:</b><br>Theory, Algorithms and Graphs Applications |       |       |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> course<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: 6   |     |  |       |       |     |
| A   | B   | C  | D     | E     | FX  |
| 0,0   | 0,0 | 0,0  | 66,67 | 33,33 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Martin Mačaj, PhD.   |     |  |       |       |     |
| <b>Last change:</b> 02.06.2015  |     |  |       |       |     |
| <b>Approved by:</b>   |     |  |       |       |     |

## COURSE DESCRIPTION

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|---|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KDMFI+KAI/2-<br>UIN-247/15  |     | <b>Course title:</b><br>Web Technologies in Teaching |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> course<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: 8   |     |  |     |     |     |
| A   | B   | C  | D   | E   | FX  |
| 87,5  | 0,0 | 12,5   | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Zuzana Kubincová, PhD., doc. RNDr. Martin Homola, PhD.   |     |  |     |     |     |
| <b>Last change:</b> 02.06.2015  |     |  |     |     |     |
| <b>Approved by:</b>   |     |  |     |     |     |