

# Course descriptions

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## 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.KZVI/1-UIN-236/15                                                                                                                                                       |      | <b>Course title:</b><br>Algorithms and Data Structures |      |       |       |
| <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> 5                                                                                                                                                                       |      |                                                        |      |       |       |
| <b>Recommended semester:</b> 4.                                                                                                                                                                   |      |                                                        |      |       |       |
| <b>Educational level:</b> I., II.                                                                                                                                                                 |      |                                                        |      |       |       |
| <b>Prerequisites:</b> FMFI.KZVI/1-UIN-241/15 - Programming (3)                                                                                                                                    |      |                                                        |      |       |       |
| <b>Antirequisites:</b> FMFI.KZVI/1-UIN-236/10                                                                                                                                                     |      |                                                        |      |       |       |
| <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: 41                                                                                                                          |      |                                                        |      |       |       |
| A                                                                                                                                                                                                 | B    | C                                                      | D    | E     | FX    |
| 12,2                                                                                                                                                                                              | 2,44 | 17,07                                                  | 12,2 | 36,59 | 19,51 |
| <b>Lecturers:</b> doc. RNDr. Zuzana Kubincová, PhD.                                                                                                                                               |      |                                                        |      |       |       |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |      |                                                        |      |       |       |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |      |                                                        |      |       |       |

## 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.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: 2 per level/semester: 28</b><br><b>Form of the course:</b> on-site learning |       |                                              |      |     |     |
| <b>Number of credits:</b> 2                                                                                                                                                                |       |                                              |      |     |     |
| <b>Recommended semester:</b> 3.                                                                                                                                                            |       |                                              |      |     |     |
| <b>Educational level:</b> II.                                                                                                                                                              |       |                                              |      |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                      |       |                                              |      |     |     |
| <b>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: 23                                                                                                                   |       |                                              |      |     |     |
| A                                                                                                                                                                                          | B     | C                                            | D    | E   | FX  |
| 47,83                                                                                                                                                                                      | 39,13 | 0,0                                          | 4,35 | 0,0 | 8,7 |
| <b>Lecturers:</b> doc. PhDr. Ján Rybár, PhD.                                                                                                                                               |       |                                              |      |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                             |       |                                              |      |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                 |       |                                              |      |     |     |

## 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.KAI/2-UXX-150/00                                                                                                                                                         |      | <b>Course title:</b><br>Communication Training (Seminar) |     |      |     |
| <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> 6.                                                                                                                                                                    |      |                                                          |     |      |     |
| <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: 28                                                                                                                           |      |                                                          |     |      |     |
| A                                                                                                                                                                                                  | B    | C                                                        | D   | E    | FX  |
| 85,71                                                                                                                                                                                              | 3,57 | 7,14                                                     | 0,0 | 3,57 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Martin Takáč, PhD.                                                                                                                                                    |      |                                                          |     |      |     |
| <b>Last change:</b> 23.09.2017                                                                                                                                                                     |      |                                                          |     |      |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |      |                                                          |     |      |     |

## 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.KZVI+KEF/2-<br>UXX-203/00                                                                                                                                                |     | <b>Course title:</b><br>Computer Classroom Security |     |     |     |
| <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> 5.                                                                                                                                                                    |     |                                                     |     |     |     |
| <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: 23                                                                                                                           |     |                                                     |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                   | D   | E   | FX  |
| 100,0                                                                                                                                                                                              | 0,0 | 0,0                                                 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Miroslav Wagner                                                                                                                                                             |     |                                                     |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |     |                                                     |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |     |                                                     |     |     |     |

## 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.KAGDM/2-UIN-141/15                                                                                                                                                      |     | <b>Course title:</b><br>Computer Graphics 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., 6.                                                                                                                                                               |     |                                                        |     |     |      |
| <b>Educational level:</b> II.                                                                                                                                                                     |     |                                                        |     |     |      |
| <b>Prerequisites:</b>                                                                                                                                                                             |     |                                                        |     |     |      |
| <b>Antirequisites:</b> FMFI.KZVI/2-UIN-141/00                                                                                                                                                     |     |                                                        |     |     |      |
| <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: 14                                                                                                                          |     |                                                        |     |     |      |
| A                                                                                                                                                                                                 | B   | C                                                      | D   | E   | FX   |
| 92,86                                                                                                                                                                                             | 0,0 | 0,0                                                    | 0,0 | 0,0 | 7,14 |
| <b>Lecturers:</b> RNDr. Ivana Varhaníková, PhD.                                                                                                                                                   |     |                                                        |     |     |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |     |                                                        |     |     |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |     |                                                        |     |     |      |

## 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.KZVI/2-UIN-107/10                                                                                                                                                       |     | <b>Course title:</b><br>Computer Systems |      |      |      |
| <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.                                                                                                                                                                     |     |                                          |      |      |      |
| <b>Prerequisites:</b>                                                                                                                                                                             |     |                                          |      |      |      |
| <b>Course requirements:</b>                                                                                                                                                                       |     |                                          |      |      |      |
| <b>Learning outcomes:</b>                                                                                                                                                                         |     |                                          |      |      |      |
| <b>Class syllabus:</b>                                                                                                                                                                            |     |                                          |      |      |      |
| <b>Recommended literature:</b>                                                                                                                                                                    |     |                                          |      |      |      |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                |     |                                          |      |      |      |
| <b>Notes:</b>                                                                                                                                                                                     |     |                                          |      |      |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 62                                                                                                                          |     |                                          |      |      |      |
| A                                                                                                                                                                                                 | B   | C                                        | D    | E    | FX   |
| 88,71                                                                                                                                                                                             | 0,0 | 1,61                                     | 1,61 | 4,84 | 3,23 |
| <b>Lecturers:</b> Mgr. Miroslav Wagner                                                                                                                                                            |     |                                          |      |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |     |                                          |      |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |     |                                          |      |      |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                   |      |                                                           |     |     |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |      |                                                           |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics                                                                                                                                   |      |                                                           |     |     |     |
| <b>Course ID:</b><br>FMFL.KTFDF/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> 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: 31                                                                                                                          |      |                                                           |     |     |     |
| A                                                                                                                                                                                                 | B    | C                                                         | D   | E   | FX  |
| 93,55                                                                                                                                                                                             | 3,23 | 3,23                                                      | 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> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |      |                                                           |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                   |       |                                   |       |      |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------|-------|------|------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |       |                                   |       |      |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics                                                                                                                                   |       |                                   |       |      |      |
| <b>Course ID:</b><br>FMFI.KZVI/2-UIN-117/10                                                                                                                                                       |       | <b>Course title:</b><br>Databases |       |      |      |
| <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> 5.                                                                                                                                                                   |       |                                   |       |      |      |
| <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: 71                                                                                                                          |       |                                   |       |      |      |
| A                                                                                                                                                                                                 | B     | C                                 | D     | E    | FX   |
| 35,21                                                                                                                                                                                             | 19,72 | 21,13                             | 12,68 | 8,45 | 2,82 |
| <b>Lecturers:</b> doc. RNDr. Zuzana Kubincová, PhD.                                                                                                                                               |       |                                   |       |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |       |                                   |       |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |       |                                   |       |      |      |

## 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.KZVI/2-UIN-144/15                                                                                                                                                       |     | <b>Course title:</b><br>Design and Analysis of Algorithms |     |     |     |
| <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.                                                                                                                                                                     |     |                                                           |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                             |     |                                                           |     |     |     |
| <b>Antirequisites:</b> FMFI.KZVI/1-UIN-330/00                                                                                                                                                     |     |                                                           |     |     |     |
| <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: 3                                                                                                                           |     |                                                           |     |     |     |
| 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> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |     |                                                           |     |     |     |

## 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.KAGDM/2-<br>UXX-212/10                                                                                                                                                   |     | <b>Course title:</b><br>Didactics Also for Non-Didacticians |     |     |     |
| <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: 13                                                                                                                           |     |                                                             |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                           | D   | E   | FX  |
| 100,0                                                                                                                                                                                              | 0,0 | 0,0                                                         | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Barbora Kamrlová, PhD.                                                                                                                                                      |     |                                                             |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |     |                                                             |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |     |                                                             |     |     |     |

## 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.KZVI/2-UIN-120/00                                                                                                                                                       |      | <b>Course title:</b><br>Didactics of Informatics (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> 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: 71                                                                                                                          |      |                                                      |      |     |     |
| A                                                                                                                                                                                                 | B    | C                                                    | D    | E   | FX  |
| 92,96                                                                                                                                                                                             | 1,41 | 2,82                                                 | 2,82 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Ivan Kalaš, PhD.                                                                                                                                                    |      |                                                      |      |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |      |                                                      |      |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |      |                                                      |      |     |     |

## 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.KZVI/2-UIN-219/10                                                                                                                                                       |      | <b>Course title:</b><br>Didactics of Informatics (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> 3                                                                                                                                                                       |      |                                                      |     |     |     |
| <b>Recommended semester:</b> 5.                                                                                                                                                                   |      |                                                      |     |     |     |
| <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: 70                                                                                                                          |      |                                                      |     |     |     |
| A                                                                                                                                                                                                 | B    | C                                                    | D   | E   | FX  |
| 91,43                                                                                                                                                                                             | 7,14 | 1,43                                                 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Ivan Kalaš, PhD.                                                                                                                                                    |      |                                                      |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |      |                                                      |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |      |                                                      |     |     |     |

## 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.KAGDM/2-<br>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> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD. |                                                  |

## 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.KAGDM/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> 4.                                                                                                                                                                   |       |                                                      |      |      |      |
| <b>Educational level:</b> II.                                                                                                                                                                     |       |                                                      |      |      |      |
| <b>Prerequisites:</b>                                                                                                                                                                             |       |                                                      |      |      |      |
| <b>Antirequisites:</b> FMFI.KAGDM/2-UMA-105/00                                                                                                                                                    |       |                                                      |      |      |      |
| <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: 227                                                                                                                         |       |                                                      |      |      |      |
| A                                                                                                                                                                                                 | B     | C                                                    | D    | E    | FX   |
| 74,45                                                                                                                                                                                             | 15,86 | 4,85                                                 | 3,08 | 0,88 | 0,88 |
| <b>Lecturers:</b> doc. RNDr. Štefan Solčan, CSc., PaedDr. Iveta Kohanová, PhD., Mgr. Michaela Vargová, PhD.                                                                                       |       |                                                      |      |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |       |                                                      |      |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |       |                                                      |      |      |      |

## 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.KAGDM/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> 5.                                                                                                                                                                    |       |                                                      |      |      |     |
| <b>Educational level:</b> II.                                                                                                                                                                      |       |                                                      |      |      |     |
| <b>Prerequisites:</b>                                                                                                                                                                              |       |                                                      |      |      |     |
| <b>Antirequisites:</b> FMFI.KAGDM/2-UMA-106/00                                                                                                                                                     |       |                                                      |      |      |     |
| <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: 214                                                                                                                          |       |                                                      |      |      |     |
| A                                                                                                                                                                                                  | B     | C                                                    | D    | E    | FX  |
| 85,98                                                                                                                                                                                              | 10,28 | 2,34                                                 | 0,93 | 0,47 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Pavol Zlatoš, PhD., PaedDr. Iveta Kohanová, PhD., Mgr. Michaela Vargová, PhD.                                                                                        |       |                                                      |      |      |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |       |                                                      |      |      |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |       |                                                      |      |      |     |

## 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.KAGDM+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> 5.                                                                                                                                                                    |     |                                                                |     |     |     |
| <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: 22                                                                                                                           |     |                                                                |     |     |     |
| 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> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |     |                                                                |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |     |                                                                |     |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |     |                                                                |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics                                                                                                                                    |     |                                                                |     |     |     |
| <b>Course ID:</b><br>FMFL.KAGDM/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> 6.                                                                                                                                                                    |     |                                                                |     |     |     |
| <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: 15                                                                                                                           |     |                                                                |     |     |     |
| 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> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |     |                                                                |     |     |     |

## 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.KZVI/2-UIN-108/15                                                                                                                                                       |       | <b>Course title:</b><br>Didactics of Programming (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> 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: 18                                                                                                                          |       |                                                      |     |     |     |
| A                                                                                                                                                                                                 | B     | C                                                    | D   | E   | FX  |
| 66,67                                                                                                                                                                                             | 27,78 | 5,56                                                 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Ľudmila Jašková, PhD.                                                                                                                                                |       |                                                      |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |       |                                                      |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |       |                                                      |     |     |     |

## 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.KZVI/2-UIN-109/15                                                                                                                                                       |       | <b>Course title:</b><br>Didactics of Programming (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> 3                                                                                                                                                                       |       |                                                      |       |      |       |
| <b>Recommended semester:</b> 4.                                                                                                                                                                   |       |                                                      |       |      |       |
| <b>Educational level:</b> II., N                                                                                                                                                                  |       |                                                      |       |      |       |
| <b>Prerequisites:</b> FMFI.KZVI/2-UIN-108/15 - Didactics of Programming (1)                                                                                                                       |       |                                                      |       |      |       |
| <b>Course requirements:</b>                                                                                                                                                                       |       |                                                      |       |      |       |
| <b>Learning outcomes:</b>                                                                                                                                                                         |       |                                                      |       |      |       |
| <b>Class syllabus:</b>                                                                                                                                                                            |       |                                                      |       |      |       |
| <b>Recommended literature:</b>                                                                                                                                                                    |       |                                                      |       |      |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                |       |                                                      |       |      |       |
| <b>Notes:</b>                                                                                                                                                                                     |       |                                                      |       |      |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 12                                                                                                                          |       |                                                      |       |      |       |
| A                                                                                                                                                                                                 | B     | C                                                    | D     | E    | FX    |
| 25,0                                                                                                                                                                                              | 16,67 | 16,67                                                | 16,67 | 8,33 | 16,67 |
| <b>Lecturers:</b> doc. PaedDr. Monika Tomcsányiová, PhD.                                                                                                                                          |       |                                                      |       |      |       |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |       |                                                      |       |      |       |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |       |                                                      |       |      |       |

## 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.KAGDM/2-<br>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> 3.                                                                                                                                                                    |      |                                                                                  |      |      |     |
| <b>Educational level:</b> II.                                                                                                                                                                      |      |                                                                                  |      |      |     |
| <b>Prerequisites:</b>                                                                                                                                                                              |      |                                                                                  |      |      |     |
| <b>Antirequisites:</b> FMFI.KAGDM/2-UMA-151/00                                                                                                                                                     |      |                                                                                  |      |      |     |
| <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: 173                                                                                                                          |      |                                                                                  |      |      |     |
| A                                                                                                                                                                                                  | B    | C                                                                                | D    | E    | FX  |
| 78,61                                                                                                                                                                                              | 9,83 | 5,2                                                                              | 2,31 | 4,05 | 0,0 |
| <b>Lecturers:</b> doc. PaedDr. Monika Tomcsányiová, PhD., RNDr. Monika Dillingerová, PhD.                                                                                                          |      |                                                                                  |      |      |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |      |                                                                                  |      |      |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |      |                                                                                  |      |      |     |

## 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.KZVI/1-UXX-137/15                                                                                                                                                        |       | <b>Course title:</b><br>Digital Technologies (1) |      |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |       |                                                  |      |     |      |
| <b>Number of credits:</b> 3                                                                                                                                                                        |       |                                                  |      |     |      |
| <b>Recommended semester:</b> 1.                                                                                                                                                                    |       |                                                  |      |     |      |
| <b>Educational level:</b> I., II.                                                                                                                                                                  |       |                                                  |      |     |      |
| <b>Prerequisites:</b>                                                                                                                                                                              |       |                                                  |      |     |      |
| <b>Antirequisites:</b> FMFI.KZVI/1-UXX-133/10                                                                                                                                                      |       |                                                  |      |     |      |
| <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: 181                                                                                                                          |       |                                                  |      |     |      |
| A                                                                                                                                                                                                  | B     | C                                                | D    | E   | FX   |
| 62,43                                                                                                                                                                                              | 13,26 | 10,5                                             | 6,63 | 0,0 | 7,18 |
| <b>Lecturers:</b> PaedDr. Natália Kováčová, PaedDr. Michaela Veselovská, PhD.                                                                                                                      |       |                                                  |      |     |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |       |                                                  |      |     |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |       |                                                  |      |     |      |

## 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.KZVI/1-UXX-138/15                                                                                                                                                        |       | <b>Course title:</b><br>Digital Technologies (2) |      |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |       |                                                  |      |      |      |
| <b>Number of credits:</b> 3                                                                                                                                                                        |       |                                                  |      |      |      |
| <b>Recommended semester:</b> 2.                                                                                                                                                                    |       |                                                  |      |      |      |
| <b>Educational level:</b> I., II.                                                                                                                                                                  |       |                                                  |      |      |      |
| <b>Prerequisites:</b> FMFI.KZVI/1-UXX-137/15 - Digital Technologies (1)                                                                                                                            |       |                                                  |      |      |      |
| <b>Antirequisites:</b> FMFI.KZVI/1-UXX-136/10                                                                                                                                                      |       |                                                  |      |      |      |
| <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: 129                                                                                                                          |       |                                                  |      |      |      |
| A                                                                                                                                                                                                  | B     | C                                                | D    | E    | FX   |
| 48,06                                                                                                                                                                                              | 25,58 | 18,6                                             | 3,88 | 1,55 | 2,33 |
| <b>Lecturers:</b> PaedDr. Michaela Veselovská, PhD.                                                                                                                                                |       |                                                  |      |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |       |                                                  |      |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |       |                                                  |      |      |      |

## 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.KZVI/1-UXX-236/15                                                                                                                                                        |      | <b>Course title:</b><br>Digital Technologies (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> 3                                                                                                                                                                        |      |                                                  |      |      |      |
| <b>Recommended semester:</b> 4.                                                                                                                                                                    |      |                                                  |      |      |      |
| <b>Educational level:</b> I., II.                                                                                                                                                                  |      |                                                  |      |      |      |
| <b>Prerequisites:</b> FMFI.KZVI/1-UXX-137/15 - Digital Technologies (1)                                                                                                                            |      |                                                  |      |      |      |
| <b>Antirequisites:</b> FMFI.KZVI/1-UXX-235/10                                                                                                                                                      |      |                                                  |      |      |      |
| <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: 121                                                                                                                          |      |                                                  |      |      |      |
| A                                                                                                                                                                                                  | B    | C                                                | D    | E    | FX   |
| 58,68                                                                                                                                                                                              | 12,4 | 7,44                                             | 7,44 | 8,26 | 5,79 |
| <b>Lecturers:</b> PaedDr. Roman Hrušecký, PhD., PaedDr. Andrea Hrušecká, PhD.                                                                                                                      |      |                                                  |      |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |      |                                                  |      |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |      |                                                  |      |      |      |

## 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.KZVI/1-UXX-237/15                                                                                                                                                        |       | <b>Course title:</b><br>Digital Technologies (4) |      |      |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |       |                                                  |      |      |     |
| <b>Number of credits:</b> 3                                                                                                                                                                        |       |                                                  |      |      |     |
| <b>Recommended semester:</b> 5.                                                                                                                                                                    |       |                                                  |      |      |     |
| <b>Educational level:</b> I., II.                                                                                                                                                                  |       |                                                  |      |      |     |
| <b>Prerequisites:</b> FMFI.KZVI/1-UXX-137/15 - Digital Technologies (1)                                                                                                                            |       |                                                  |      |      |     |
| <b>Antirequisites:</b> FMFI.KZVI/1-UXX-234/10                                                                                                                                                      |       |                                                  |      |      |     |
| <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: 115                                                                                                                          |       |                                                  |      |      |     |
| A                                                                                                                                                                                                  | B     | C                                                | D    | E    | FX  |
| 40,87                                                                                                                                                                                              | 22,61 | 9,57                                             | 6,96 | 11,3 | 8,7 |
| <b>Lecturers:</b> doc. PaedDr. Monika Tomcsányiová, PhD., doc. RNDr. Peter Demkanin, PhD., RNDr. Martina Bátorová, PhD.                                                                            |       |                                                  |      |      |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |       |                                                  |      |      |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |       |                                                  |      |      |     |

## 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.KAGDM+KZVI/1-UXX-341/15                                                                                                                                                  |      | <b>Course title:</b><br>Digital Technologies (5) |     |     |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning |      |                                                  |     |     |      |
| <b>Number of credits:</b> 3                                                                                                                                                                        |      |                                                  |     |     |      |
| <b>Recommended semester:</b> 6.                                                                                                                                                                    |      |                                                  |     |     |      |
| <b>Educational level:</b> I., II.                                                                                                                                                                  |      |                                                  |     |     |      |
| <b>Prerequisites:</b> FMFI.KZVI/1-UXX-137/15 - Digital Technologies (1)                                                                                                                            |      |                                                  |     |     |      |
| <b>Course requirements:</b>                                                                                                                                                                        |      |                                                  |     |     |      |
| <b>Learning outcomes:</b>                                                                                                                                                                          |      |                                                  |     |     |      |
| <b>Class syllabus:</b>                                                                                                                                                                             |      |                                                  |     |     |      |
| <b>Recommended literature:</b>                                                                                                                                                                     |      |                                                  |     |     |      |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |      |                                                  |     |     |      |
| <b>Notes:</b>                                                                                                                                                                                      |      |                                                  |     |     |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 10                                                                                                                           |      |                                                  |     |     |      |
| A                                                                                                                                                                                                  | B    | C                                                | D   | E   | FX   |
| 70,0                                                                                                                                                                                               | 10,0 | 10,0                                             | 0,0 | 0,0 | 10,0 |
| <b>Lecturers:</b> RNDr. Monika Dillingerová, PhD.                                                                                                                                                  |      |                                                  |     |     |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |      |                                                  |     |     |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |      |                                                  |     |     |      |

## 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.KAGDM+KTFDF<br>+KZVI/2-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> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD. |                                                |

## 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.KZVI/2-UXX-932/13                                                                                                                                                        |       | <b>Course title:</b><br>Diploma Thesis in Computer Science 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: 27                                                                                                                           |       |                                                                        |     |     |     |
| A                                                                                                                                                                                                  | B     | C                                                                      | D   | E   | FX  |
| 81,48                                                                                                                                                                                              | 14,81 | 3,7                                                                    | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Zuzana Kubincová, PhD.                                                                                                                                                |       |                                                                        |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                |       |                                                                        |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |       |                                                                        |     |     |     |

## 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.KI/2-UXX-934/13                                                                                                                                                          |       | <b>Course title:</b><br>Diploma Thesis in Computer Science 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: 27                                                                                                                           |       |                                                                        |     |     |     |
| A                                                                                                                                                                                                  | B     | C                                                                      | D   | E   | FX  |
| 70,37                                                                                                                                                                                              | 14,81 | 11,11                                                                  | 3,7 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Zuzana Kubincová, PhD.                                                                                                                                                |       |                                                                        |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                |       |                                                                        |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |       |                                                                        |     |     |     |

## 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.KZVI/2-UXX-936/15                                                                                                                                                        |       | <b>Course title:</b><br>Diploma Thesis in Computer Science Seminar (3) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 <b>per level/semester:</b> 14<br><b>Form of the course:</b> on-site learning |       |                                                                        |     |     |     |
| <b>Number of credits:</b> 1                                                                                                                                                                        |       |                                                                        |     |     |     |
| <b>Recommended semester:</b> 4.                                                                                                                                                                    |       |                                                                        |     |     |     |
| <b>Educational level:</b> II.                                                                                                                                                                      |       |                                                                        |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                              |       |                                                                        |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                        |       |                                                                        |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                          |       |                                                                        |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                             |       |                                                                        |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                     |       |                                                                        |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |       |                                                                        |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                      |       |                                                                        |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 3                                                                                                                            |       |                                                                        |     |     |     |
| A                                                                                                                                                                                                  | B     | C                                                                      | D   | E   | FX  |
| 33,33                                                                                                                                                                                              | 66,67 | 0,0                                                                    | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Zuzana Kubincová, PhD.                                                                                                                                                |       |                                                                        |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                |       |                                                                        |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |       |                                                                        |     |     |     |

## 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.KAGDM/2-<br>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> 5.                                                                                                                                                                    |       |                                                               |      |      |      |
| <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: 46                                                                                                                           |       |                                                               |      |      |      |
| A                                                                                                                                                                                                  | B     | C                                                             | D    | E    | FX   |
| 50,0                                                                                                                                                                                               | 21,74 | 15,22                                                         | 6,52 | 4,35 | 2,17 |
| <b>Lecturers:</b> RNDr. Monika Dillingerová, PhD.                                                                                                                                                  |       |                                                               |      |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |       |                                                               |      |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |       |                                                               |      |      |      |

## 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.KAGDM/2-<br>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> 3.                                                                                                                                                                   |       |                                                                |       |      |      |
| <b>Educational level:</b> II.                                                                                                                                                                     |       |                                                                |       |      |      |
| <b>Prerequisites:</b>                                                                                                                                                                             |       |                                                                |       |      |      |
| <b>Antirequisites:</b> FMFI.KAGDM/2-UMA-207/10                                                                                                                                                    |       |                                                                |       |      |      |
| <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: 192                                                                                                                         |       |                                                                |       |      |      |
| A                                                                                                                                                                                                 | B     | C                                                              | D     | E    | FX   |
| 29,69                                                                                                                                                                                             | 18,23 | 17,19                                                          | 16,67 | 15,1 | 3,13 |
| <b>Lecturers:</b> RNDr. Barbora Pokorná, PhD., RNDr. Martina Bátorová, PhD.                                                                                                                       |       |                                                                |       |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |       |                                                                |       |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |       |                                                                |       |      |      |

## 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-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: 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> 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: 135                                                                                                                                                                                                                             |       |                                                         |      |      |      |
| A                                                                                                                                                                                                                                                                                                     | B     | C                                                       | D    | E    | FX   |
| 58,52                                                                                                                                                                                                                                                                                                 | 18,52 | 9,63                                                    | 2,22 | 1,48 | 9,63 |
| <b>Lecturers:</b> PhDr. Elena Klátiková                                                                                                                                                                                                                                                               |       |                                                         |      |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                                                                                        |       |                                                         |      |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                                                                                                            |       |                                                         |      |      |      |

## 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-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: 62                                                                                                                                                                                                                              |       |                                                         |     |     |      |
| A                                                                                                                                                                                                                                                                                                     | B     | C                                                       | D   | E   | FX   |
| 67,74                                                                                                                                                                                                                                                                                                 | 19,35 | 4,84                                                    | 0,0 | 0,0 | 8,06 |
| <b>Lecturers:</b> PhDr. Elena Klátiková                                                                                                                                                                                                                                                               |       |                                                         |     |     |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                                                                                        |       |                                                         |     |     |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                                                                                                            |       |                                                         |     |     |      |

## 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-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: 374                                                                                                                                                                                             |       |                                             |       |      |      |
| A                                                                                                                                                                                                                                                                     | B     | C                                           | D     | E    | FX   |
| 39,84                                                                                                                                                                                                                                                                 | 22,19 | 21,66                                       | 10,16 | 2,14 | 4,01 |
| <b>Lecturers:</b> Mgr. Pavel Vilášek, Mgr. Ľubomíra Kožehubová                                                                                                                                                                                                        |       |                                             |       |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                                                        |       |                                             |       |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                                                                            |       |                                             |       |      |      |

## 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: 237                                                                                                                                                                                                                                           |       |                                             |       |      |      |
| A                                                                                                                                                                                                                                                                                                                   | B     | C                                           | D     | E    | FX   |
| 34,18                                                                                                                                                                                                                                                                                                               | 27,85 | 21,52                                       | 11,39 | 2,53 | 2,53 |
| <b>Lecturers:</b> Mgr. Pavel Vilášek, Mgr. Ľubomíra Kožehubová                                                                                                                                                                                                                                                      |       |                                             |       |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                                                                                                      |       |                                             |       |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                                                                                                                          |       |                                             |       |      |      |

## 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-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:</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 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: 93                                                                                                                                                                                                                                            |       |                                             |      |      |     |
| A                                                                                                                                                                                                                                                                                                                   | B     | C                                           | D    | E    | FX  |
| 33,33                                                                                                                                                                                                                                                                                                               | 30,11 | 23,66                                       | 7,53 | 1,08 | 4,3 |
| <b>Lecturers:</b> Mgr. Pavel Vilášek, Mgr. Ľubomíra Kožehubová                                                                                                                                                                                                                                                      |       |                                             |      |      |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                                                                                                      |       |                                             |      |      |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                                                                                                                          |       |                                             |      |      |     |

## 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: 63                                                                                                                                                                                                                                                                                                                                   |      |                                             |      |      |      |
| A                                                                                                                                                                                                                                                                                                                                                                                                          | B    | C                                           | D    | E    | FX   |
| 31,75                                                                                                                                                                                                                                                                                                                                                                                                      | 38,1 | 20,63                                       | 3,17 | 1,59 | 4,76 |
| <b>Lecturers:</b> Mgr. Pavel Vilášek, Mgr. Ľubomíra Kožehubová                                                                                                                                                                                                                                                                                                                                             |      |                                             |      |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                                                                                                                                                                                             |      |                                             |      |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                                                                                                                                                                                                                 |      |                                             |      |      |      |

## 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.KAGDM/2-<br>UMA-281/15                                                                                                                                                  |       | <b>Course title:</b><br>Fundamental Numerical Methods of Solving Equations |       |     |     |
| <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> 5.                                                                                                                                                                   |       |                                                                            |       |     |     |
| <b>Educational level:</b> II.                                                                                                                                                                     |       |                                                                            |       |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                             |       |                                                                            |       |     |     |
| <b>Antirequisites:</b> FMFI.KMANM/2-UMA-281/00                                                                                                                                                    |       |                                                                            |       |     |     |
| <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: 17                                                                                                                          |       |                                                                            |       |     |     |
| A                                                                                                                                                                                                 | B     | C                                                                          | D     | E   | FX  |
| 52,94                                                                                                                                                                                             | 29,41 | 5,88                                                                       | 11,76 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Pavol Chocholatý, CSc.                                                                                                                                               |       |                                                                            |       |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |       |                                                                            |       |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |       |                                                                            |       |     |     |

## 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: 648                                                                                                                                                                            |       |                                             |       |      |      |
| A                                                                                                                                                                                                                                                    | B     | C                                           | D     | E    | FX   |
| 31,94                                                                                                                                                                                                                                                | 29,17 | 21,3                                        | 10,03 | 2,93 | 4,63 |
| <b>Lecturers:</b> Mgr. Pavel Vilášek, Mgr. Alexandra Maďarová                                                                                                                                                                                        |       |                                             |       |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                                       |       |                                             |       |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                                                           |       |                                             |       |      |      |

## 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: 408                                                                                                                             |       |                                             |       |      |      |
| A                                                                                                                                                                                                     | B     | C                                           | D     | E    | FX   |
| 29,17                                                                                                                                                                                                 | 22,06 | 23,77                                       | 14,95 | 3,68 | 6,37 |
| <b>Lecturers:</b> Mgr. Pavel Vilášek, Mgr. Alexandra Maďarová                                                                                                                                         |       |                                             |       |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                        |       |                                             |       |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                            |       |                                             |       |      |      |

## 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:</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 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: 148                                                                                                                                                        |       |                                             |      |     |     |
| A                                                                                                                                                                                                                                | B     | C                                           | D    | E   | FX  |
| 38,51                                                                                                                                                                                                                            | 27,03 | 22,3                                        | 6,76 | 2,7 | 2,7 |
| <b>Lecturers:</b> Mgr. Pavel Vilášek, Mgr. Alexandra Maďarová                                                                                                                                                                    |       |                                             |      |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                   |       |                                             |      |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                                       |       |                                             |      |     |     |

## 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: 78                                                                                                                                                                                          |       |                                             |       |      |      |
| A                                                                                                                                                                                                                                                                 | B     | C                                           | D     | E    | FX   |
| 35,9                                                                                                                                                                                                                                                              | 28,21 | 14,1                                        | 12,82 | 3,85 | 5,13 |
| <b>Lecturers:</b> Mgr. Pavel Vilášek, Mgr. Alexandra Maďarová                                                                                                                                                                                                     |       |                                             |       |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                                                    |       |                                             |       |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                                                                        |       |                                             |       |      |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |     |                                                |     |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |     |                                                |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics                                                                                                                                    |     |                                                |     |     |     |
| <b>Course ID:</b><br>FMFI.KZVI/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> 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> RNDr. Michal Winczer, PhD.                                                                                                                                                       |     |                                                |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |     |                                                |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |     |                                                |     |     |     |

## 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.KAGDM/2-<br>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> 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: 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> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |      |                                                |     |     |      |

## 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.KZVI/2-UIN-951/15                                                                                | <b>Course title:</b><br>Informatics and Didactics of Informatics |
| <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> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD. |                                                                  |

## 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.KZVI/2-UIN-268/15                                                                                                                                                       |       | <b>Course title:</b><br>Information Systems |      |     |     |
| <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> 6.                                                                                                                                                                   |       |                                             |      |     |     |
| <b>Educational level:</b> II.                                                                                                                                                                     |       |                                             |      |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                             |       |                                             |      |     |     |
| <b>Antirequisites:</b> FMFI.KZVI/2-UIN-268/10                                                                                                                                                     |       |                                             |      |     |     |
| <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: 43                                                                                                                          |       |                                             |      |     |     |
| A                                                                                                                                                                                                 | B     | C                                           | D    | E   | FX  |
| 81,4                                                                                                                                                                                              | 11,63 | 0,0                                         | 6,98 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Ľudmila Jašková, PhD.                                                                                                                                                |       |                                             |      |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |       |                                             |      |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |       |                                             |      |     |     |

## 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.KZVI/1-UIN-246/10                                                                                                                                                       |       | <b>Course title:</b><br>Interactive Programming and Visual Modelling |       |       |       |
| <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> I., II.                                                                                                                                                                 |       |                                                                      |       |       |       |
| <b>Prerequisites:</b> FMFL.KZVI/1-UIN-241/15 - Programming (3)                                                                                                                                    |       |                                                                      |       |       |       |
| <b>Course requirements:</b>                                                                                                                                                                       |       |                                                                      |       |       |       |
| <b>Learning outcomes:</b>                                                                                                                                                                         |       |                                                                      |       |       |       |
| <b>Class syllabus:</b>                                                                                                                                                                            |       |                                                                      |       |       |       |
| <b>Recommended literature:</b>                                                                                                                                                                    |       |                                                                      |       |       |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                |       |                                                                      |       |       |       |
| <b>Notes:</b>                                                                                                                                                                                     |       |                                                                      |       |       |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 49                                                                                                                          |       |                                                                      |       |       |       |
| A                                                                                                                                                                                                 | B     | C                                                                    | D     | E     | FX    |
| 28,57                                                                                                                                                                                             | 14,29 | 2,04                                                                 | 20,41 | 22,45 | 12,24 |
| <b>Lecturers:</b> prof. RNDr. Ivan Kalaš, PhD., PaedDr. Andrea Hrušecká, PhD.                                                                                                                     |       |                                                                      |       |       |       |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |       |                                                                      |       |       |       |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |       |                                                                      |       |       |       |

## 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.KAGDM/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> 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: 60                                                                                                                           |      |                                                                  |      |     |     |
| A                                                                                                                                                                                                  | B    | C                                                                | D    | E   | FX  |
| 93,33                                                                                                                                                                                              | 3,33 | 1,67                                                             | 1,67 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Pavol Zlatoš, PhD., PaedDr. Mária Slavíčková, PhD.                                                                                                                   |      |                                                                  |      |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |      |                                                                  |      |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |      |                                                                  |      |     |     |

## 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.KAGDM+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> 4.                                                                                                                                                                   |       |                                                      |     |     |     |
| <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: 37                                                                                                                          |       |                                                      |     |     |     |
| A                                                                                                                                                                                                 | B     | C                                                    | D   | E   | FX  |
| 86,49                                                                                                                                                                                             | 10,81 | 0,0                                                  | 0,0 | 2,7 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Eduard Toman, CSc., RNDr. Jana Tomanová, CSc.                                                                                                                        |       |                                                      |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |       |                                                      |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |       |                                                      |     |     |     |

## 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.KAGDM/2-<br>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> 5.                                                                                                                                                                    |     |                                                          |     |     |     |
| <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: 7                                                                                                                            |     |                                                          |     |     |     |
| 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> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |     |                                                          |     |     |     |

## 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.KAGDM/2-<br>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> 3., 5.                                                                                                                                                                |     |                                                                |     |     |     |
| <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: 60                                                                                                                           |     |                                                                |     |     |     |
| 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> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |     |                                                                |     |     |     |

## 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.KAGDM/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> 3.                                                                                                                                                                    |     |                                                                    |     |     |     |
| <b>Educational level:</b> II.                                                                                                                                                                      |     |                                                                    |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                              |     |                                                                    |     |     |     |
| <b>Antirequisites:</b> FMFI.KAGDM/2-UMA-257/00                                                                                                                                                     |     |                                                                    |     |     |     |
| <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: 167                                                                                                                          |     |                                                                    |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                                  | D   | E   | FX  |
| 97,01                                                                                                                                                                                              | 0,6 | 0,6                                                                | 0,6 | 0,0 | 1,2 |
| <b>Lecturers:</b> doc. RNDr. Juraj Činčura, CSc., PaedDr. Mária Slavíčková, PhD.                                                                                                                   |     |                                                                    |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |     |                                                                    |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |     |                                                                    |     |     |     |

## 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.KAGDM/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> 4.                                                                                                                                                                    |     |                                                                    |      |     |     |
| <b>Educational level:</b> II.                                                                                                                                                                      |     |                                                                    |      |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                              |     |                                                                    |      |     |     |
| <b>Antirequisites:</b> FMFI.KAGDM/2-UMA-258/00                                                                                                                                                     |     |                                                                    |      |     |     |
| <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: 149                                                                                                                          |     |                                                                    |      |     |     |
| A                                                                                                                                                                                                  | B   | C                                                                  | D    | E   | FX  |
| 91,28                                                                                                                                                                                              | 4,7 | 2,68                                                               | 1,34 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Štefan Solčan, CSc., PaedDr. Mária Slavičková, PhD., RNDr. Monika Dillingerová, PhD.                                                                                  |     |                                                                    |      |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |     |                                                                    |      |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |     |                                                                    |      |     |     |

## 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.KZVI/2-UIN-238/15                                                                                                                                                       |       | <b>Course title:</b><br>Mobile Platform Programming for Secondary Schools |     |     |       |
| <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> 5.                                                                                                                                                                   |       |                                                                           |     |     |       |
| <b>Educational level:</b> II.                                                                                                                                                                     |       |                                                                           |     |     |       |
| <b>Prerequisites:</b>                                                                                                                                                                             |       |                                                                           |     |     |       |
| <b>Antirequisites:</b> FMFI.KZVI/2-UIN-238/10                                                                                                                                                     |       |                                                                           |     |     |       |
| <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: 11                                                                                                                          |       |                                                                           |     |     |       |
| A                                                                                                                                                                                                 | B     | C                                                                         | D   | E   | FX    |
| 45,45                                                                                                                                                                                             | 27,27 | 9,09                                                                      | 0,0 | 0,0 | 18,18 |
| <b>Lecturers:</b> RNDr. Peter Tomcsányi, PhD., doc. PaedDr. Monika Tomcsányiová, PhD.                                                                                                             |       |                                                                           |     |     |       |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |       |                                                                           |     |     |       |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |       |                                                                           |     |     |       |

## 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.KZVI/2-UIN-242/15                                                                                                                                                       |     | <b>Course title:</b><br>Networks |     |     |     |
| <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> 5.                                                                                                                                                                   |     |                                  |     |     |     |
| <b>Educational level:</b> II.                                                                                                                                                                     |     |                                  |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                             |     |                                  |     |     |     |
| <b>Antirequisites:</b> FMFI.KZVI/2-UIN-242/10                                                                                                                                                     |     |                                  |     |     |     |
| <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: 41                                                                                                                          |     |                                  |     |     |     |
| A                                                                                                                                                                                                 | B   | C                                | D   | E   | FX  |
| 100,0                                                                                                                                                                                             | 0,0 | 0,0                              | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Miroslav Wagner                                                                                                                                                            |     |                                  |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |     |                                  |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |     |                                  |     |     |     |

## 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.KAGDM/2-<br>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> 5.                                                                                                                                                                    |     |                                                                                     |     |     |     |
| <b>Educational level:</b> II.                                                                                                                                                                      |     |                                                                                     |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                              |     |                                                                                     |     |     |     |
| <b>Antirequisites:</b> FMFI.KAGDM/2-UXX-113/10                                                                                                                                                     |     |                                                                                     |     |     |     |
| <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: 16                                                                                                                           |     |                                                                                     |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                                                   | D   | E   | FX  |
| 100,0                                                                                                                                                                                              | 0,0 | 0,0                                                                                 | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> RNDr. Monika Dillingerová, PhD.                                                                                                                                                  |     |                                                                                     |     |     |     |
| <b>Last change:</b>                                                                                                                                                                                |     |                                                                                     |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |     |                                                                                     |     |     |     |

## 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.KAGDM/2-<br>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> 5.                                                                                                                                                                   |      |                                                |      |      |     |
| <b>Educational level:</b> II.                                                                                                                                                                     |      |                                                |      |      |     |
| <b>Prerequisites:</b>                                                                                                                                                                             |      |                                                |      |      |     |
| <b>Antirequisites:</b> FMFI.KAGDM/2-UMA-162/00                                                                                                                                                    |      |                                                |      |      |     |
| <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: 71                                                                                                                          |      |                                                |      |      |     |
| A                                                                                                                                                                                                 | B    | C                                              | D    | E    | FX  |
| 84,51                                                                                                                                                                                             | 2,82 | 7,04                                           | 4,23 | 1,41 | 0,0 |
| <b>Lecturers:</b> RNDr. Marianna Polednová, CSc.                                                                                                                                                  |      |                                                |      |      |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |      |                                                |      |      |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |      |                                                |      |      |     |

## 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.KZVI/2-UIN-111/15                                                                                                                                                |       | <b>Course title:</b><br>Operating Systems |       |       |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> course<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> 3                                                                                                                                                                |       |                                           |       |       |     |
| <b>Recommended semester:</b> 4.                                                                                                                                                            |       |                                           |       |       |     |
| <b>Educational level:</b> II.                                                                                                                                                              |       |                                           |       |       |     |
| <b>Prerequisites:</b> FMFI.KZVI/2-UIN-107/10 - Computer Systems                                                                                                                            |       |                                           |       |       |     |
| <b>Antirequisites:</b> FMFI.KZVI/2-UIN-111/00                                                                                                                                              |       |                                           |       |       |     |
| <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: 53                                                                                                                   |       |                                           |       |       |     |
| A                                                                                                                                                                                          | B     | C                                         | D     | E     | FX  |
| 18,87                                                                                                                                                                                      | 22,64 | 24,53                                     | 18,87 | 15,09 | 0,0 |
| <b>Lecturers:</b> RNDr. Peter Tomcsányi, PhD.                                                                                                                                              |       |                                           |       |       |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                             |       |                                           |       |       |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                 |       |                                           |       |       |     |

## 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-Prif.KDPP/1-<br>UXX-231/10                                                                                                                                                                  |       | <b>Course title:</b><br>Pedagogic Communication |       |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 / 1 <b>per level/semester:</b> 14 / 14<br><b>Form of the course:</b> on-site learning |       |                                                 |       |      |      |
| <b>Number of credits:</b> 3                                                                                                                                                                                           |       |                                                 |       |      |      |
| <b>Recommended semester:</b> 1.                                                                                                                                                                                       |       |                                                 |       |      |      |
| <b>Educational level:</b> I., II.                                                                                                                                                                                     |       |                                                 |       |      |      |
| <b>Prerequisites:</b>                                                                                                                                                                                                 |       |                                                 |       |      |      |
| <b>Course requirements:</b>                                                                                                                                                                                           |       |                                                 |       |      |      |
| <b>Learning outcomes:</b>                                                                                                                                                                                             |       |                                                 |       |      |      |
| <b>Class syllabus:</b>                                                                                                                                                                                                |       |                                                 |       |      |      |
| <b>Recommended literature:</b>                                                                                                                                                                                        |       |                                                 |       |      |      |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                    |       |                                                 |       |      |      |
| <b>Notes:</b>                                                                                                                                                                                                         |       |                                                 |       |      |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 135                                                                                                                                             |       |                                                 |       |      |      |
| A                                                                                                                                                                                                                     | B     | C                                               | D     | E    | FX   |
| 28,89                                                                                                                                                                                                                 | 27,41 | 20,74                                           | 13,33 | 2,96 | 6,67 |
| <b>Lecturers:</b> doc. PaedDr. Zuzana Haláková, PhD.                                                                                                                                                                  |       |                                                 |       |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                        |       |                                                 |       |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                            |       |                                                 |       |      |      |

## 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-Prif.KDPP/2-<br>UXX-121/15                                                                                                                                               |       | <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> 4.                                                                                                                                                                    |       |                                               |      |      |     |
| <b>Educational level:</b> II.                                                                                                                                                                      |       |                                               |      |      |     |
| <b>Prerequisites:</b>                                                                                                                                                                              |       |                                               |      |      |     |
| <b>Antirequisites:</b> FMFI-PriF.KDPP/2-UXX-121/10                                                                                                                                                 |       |                                               |      |      |     |
| <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: 185                                                                                                                          |       |                                               |      |      |     |
| A                                                                                                                                                                                                  | B     | C                                             | D    | E    | FX  |
| 54,59                                                                                                                                                                                              | 25,41 | 18,38                                         | 1,08 | 0,54 | 0,0 |
| <b>Lecturers:</b> PhDr. Helena Hrubíšková, PhD.                                                                                                                                                    |       |                                               |      |      |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |       |                                               |      |      |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |       |                                               |      |      |     |

## 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.KZVI+KAGDM/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> 3.                                                                                                                                                                   |       |                                                            |     |      |      |
| <b>Educational level:</b> II., N                                                                                                                                                                  |       |                                                            |     |      |      |
| <b>Prerequisites:</b>                                                                                                                                                                             |       |                                                            |     |      |      |
| <b>Antirequisites:</b> FMFI.KAGDM+KZVI/2-UXX-123/10                                                                                                                                               |       |                                                            |     |      |      |
| <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: 136                                                                                                                         |       |                                                            |     |      |      |
| A                                                                                                                                                                                                 | B     | C                                                          | D   | E    | FX   |
| 75,74                                                                                                                                                                                             | 13,97 | 5,88                                                       | 0,0 | 2,94 | 1,47 |
| <b>Lecturers:</b> PaedDr. Mária Slavíčková, PhD., Mgr. Karolína Mayerová, PhD.                                                                                                                    |       |                                                            |     |      |      |
| <b>Last change:</b> 08.06.2017                                                                                                                                                                    |       |                                                            |     |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |       |                                                            |     |      |      |

## 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.KZVI/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> 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: 24                                                                                                                          |      |                                                            |      |      |      |
| A                                                                                                                                                                                                 | B    | C                                                          | D    | E    | FX   |
| 70,83                                                                                                                                                                                             | 4,17 | 4,17                                                       | 4,17 | 4,17 | 12,5 |
| <b>Lecturers:</b> Mgr. Karolína Mayerová, PhD., PaedDr. Mária Slavíčková, PhD.                                                                                                                    |      |                                                            |      |      |      |
| <b>Last change:</b> 08.06.2017                                                                                                                                                                    |      |                                                            |      |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |      |                                                            |      |      |      |

## 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-PriF.KDPP/2-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: 105                                                                                                                          |      |                                                                 |     |     |     |
| A                                                                                                                                                                                                  | B    | C                                                               | D   | E   | FX  |
| 78,1                                                                                                                                                                                               | 21,9 | 0,0                                                             | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Štefan Zolcer, PhD.                                                                                                                                                         |      |                                                                 |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |      |                                                                 |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |      |                                                                 |     |     |     |

## 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: 1329                                                                                                                                                                                                                                                                                                                           |     |                                                          |     |     |     |
| A                                                                                                                                                                                                                                                                                                                                                                                                    | B   | C                                                        | D   | E   | FX  |
| 99,1                                                                                                                                                                                                                                                                                                                                                                                                 | 0,6 | 0,0                                                      | 0,0 | 0,0 | 0,3 |
| <b>Lecturers:</b> PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Ondrej Podkonický, doc. PhDr. Vojtech Potočný, CSc., Mgr. Jana Leginusová, Mgr. Tomáš Kuchár, PhD., PaedDr. Mikuláš Ortutay, Mgr. Martin Dovičák, Mgr. Júlia Raábová, PhD., Mgr. Branislav Nedbálek                                                                                                                              |     |                                                          |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                                                                                                                                                                                       |     |                                                          |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                                                                                                                                                                                                           |     |                                                          |     |     |     |

## 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-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: 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> 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: 1223                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |                                                          |     |     |      |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | B    | C                                                        | D   | E   | FX   |
| 99,84                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0,08 | 0,0                                                      | 0,0 | 0,0 | 0,08 |
| <b>Lecturers:</b> Mgr. Martin Dovičák, Mgr. Tomáš Kuchár, PhD., Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Branislav Nedbálek, PaedDr. Mikuláš Ortutay, Mgr. Ondrej Podkonický, doc. PhDr. Vojtech Potočný, CSc., Mgr. Júlia Raábová, PhD.                                                                                                                                                                                                                                                                                |      |                                                          |     |     |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |                                                          |     |     |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                                                                                                                                                                                                                                                                                                                                                             |      |                                                          |     |     |      |

## 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-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: 992                                                                                                                                                                                                          |     |                                                          |     |     |     |
| A                                                                                                                                                                                                                                                                                  | B   | C                                                        | D   | E   | FX  |
| 99,4                                                                                                                                                                                                                                                                               | 0,4 | 0,0                                                      | 0,0 | 0,0 | 0,2 |
| <b>Lecturers:</b> PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Ondrej Podkonický, doc. PhDr. Vojtech Potočný, CSc., Mgr. Jana Leginusová, Mgr. Tomáš Kuchár, PhD., PaedDr. Mikuláš Ortutay, Mgr. Martin Dovičák, Mgr. Júlia Raábová, PhD., Mgr. Branislav Nedbálek            |     |                                                          |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                                                                     |     |                                                          |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                                                                                         |     |                                                          |     |     |     |

## 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-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: 868                                                                                                                                                                                                                            |      |                                                          |     |      |      |
| A                                                                                                                                                                                                                                                                                                    | B    | C                                                        | D   | E    | FX   |
| 99,31                                                                                                                                                                                                                                                                                                | 0,46 | 0,0                                                      | 0,0 | 0,12 | 0,12 |
| <b>Lecturers:</b> PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Ondrej Podkonický, doc. PhDr. Vojtech Potočný, CSc., Mgr. Jana Leginusová, Mgr. Tomáš Kuchár, PhD., PaedDr. Mikuláš Ortutay, Mgr. Martin Dovičák, Mgr. Branislav Nedbálek                                                        |      |                                                          |     |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                                                                                       |      |                                                          |     |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                                                                                                           |      |                                                          |     |      |      |

## 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.KZVI/1-UIN-341/15                                                                                                                                                       |       | <b>Course title:</b><br>Principles of Educational Software (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> 3.                                                                                                                                                                   |       |                                                                |      |      |     |
| <b>Educational level:</b> I., II., N                                                                                                                                                              |       |                                                                |      |      |     |
| <b>Prerequisites:</b> FMFI.KZVI/1-UIN-246/10 - Interactive Programming and Visual Modelling                                                                                                       |       |                                                                |      |      |     |
| <b>Antirequisites:</b> FMFI.KZVI/1-UIN-341/10                                                                                                                                                     |       |                                                                |      |      |     |
| <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: 74                                                                                                                          |       |                                                                |      |      |     |
| A                                                                                                                                                                                                 | B     | C                                                              | D    | E    | FX  |
| 82,43                                                                                                                                                                                             | 12,16 | 0,0                                                            | 1,35 | 1,35 | 2,7 |
| <b>Lecturers:</b> doc. PaedDr. Monika Tomcsányiová, PhD.                                                                                                                                          |       |                                                                |      |      |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |       |                                                                |      |      |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |       |                                                                |      |      |     |

## 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.KZVI/1-UIN-343/10                                                                                                                                                       |      | <b>Course title:</b><br>Principles of Educational Software (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> 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: 35                                                                                                                          |      |                                                                |      |     |     |
| A                                                                                                                                                                                                 | B    | C                                                              | D    | E   | FX  |
| 82,86                                                                                                                                                                                             | 8,57 | 2,86                                                           | 5,71 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. PaedDr. Monika Tomcsányiová, PhD.                                                                                                                                          |      |                                                                |      |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |      |                                                                |      |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |      |                                                                |      |     |     |

## 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.KZVI/1-UIN-141/15                                                                                                                                                                              |     | <b>Course title:</b><br>Programming (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 / 2 <b>per level/semester:</b> 28 / 28<br><b>Form of the course:</b> on-site learning |     |                                         |      |     |      |
| <b>Number of credits:</b> 6                                                                                                                                                                                              |     |                                         |      |     |      |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                          |     |                                         |      |     |      |
| <b>Educational level:</b> I., II.                                                                                                                                                                                        |     |                                         |      |     |      |
| <b>Prerequisites:</b> FMFI.KZVI/1-UIN-140/15 - Programming (1)                                                                                                                                                           |     |                                         |      |     |      |
| <b>Course requirements:</b>                                                                                                                                                                                              |     |                                         |      |     |      |
| <b>Learning outcomes:</b>                                                                                                                                                                                                |     |                                         |      |     |      |
| <b>Class syllabus:</b>                                                                                                                                                                                                   |     |                                         |      |     |      |
| <b>Recommended literature:</b>                                                                                                                                                                                           |     |                                         |      |     |      |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                       |     |                                         |      |     |      |
| <b>Notes:</b>                                                                                                                                                                                                            |     |                                         |      |     |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 15                                                                                                                                                 |     |                                         |      |     |      |
| A                                                                                                                                                                                                                        | B   | C                                       | D    | E   | FX   |
| 46,67                                                                                                                                                                                                                    | 0,0 | 26,67                                   | 20,0 | 0,0 | 6,67 |
| <b>Lecturers:</b> doc. RNDr. Zuzana Kubincová, PhD.                                                                                                                                                                      |     |                                         |      |     |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                           |     |                                         |      |     |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                               |     |                                         |      |     |      |

## 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.KZVI/1-UIN-241/15                                                                                                                                                                              |       | <b>Course title:</b><br>Programming (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> 4                                                                                                                                                                                              |       |                                         |     |       |       |
| <b>Recommended semester:</b> 3.                                                                                                                                                                                          |       |                                         |     |       |       |
| <b>Educational level:</b> I., II.                                                                                                                                                                                        |       |                                         |     |       |       |
| <b>Prerequisites:</b> FMFI.KZVI/1-UIN-141/15 - Programming (2)                                                                                                                                                           |       |                                         |     |       |       |
| <b>Antirequisites:</b> FMFI.KZVI/1-UIN-241/10                                                                                                                                                                            |       |                                         |     |       |       |
| <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: 51                                                                                                                                                 |       |                                         |     |       |       |
| A                                                                                                                                                                                                                        | B     | C                                       | D   | E     | FX    |
| 15,69                                                                                                                                                                                                                    | 11,76 | 13,73                                   | 9,8 | 35,29 | 13,73 |
| <b>Lecturers:</b> doc. PaedDr. Monika Tomcsányiová, PhD., PaedDr. Eva Klimeková                                                                                                                                          |       |                                         |     |       |       |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                           |       |                                         |     |       |       |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                               |       |                                         |     |       |       |

## 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.KZVI/2-UIN-262/15                                                                                                                                                       |     | <b>Course title:</b><br>Programming Competitions |     |     |     |
| <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> 6.                                                                                                                                                                   |     |                                                  |     |     |     |
| <b>Educational level:</b> II.                                                                                                                                                                     |     |                                                  |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                             |     |                                                  |     |     |     |
| <b>Antirequisites:</b> FMFI.KZVI/2-UIN-262/10                                                                                                                                                     |     |                                                  |     |     |     |
| <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: 43                                                                                                                          |     |                                                  |     |     |     |
| 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> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |     |                                                  |     |     |     |

## 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.KZVI/1-UIN-327/15                                                                                                                                                       |      | <b>Course title:</b><br>Programming Etudes (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> 5.                                                                                                                                                                   |      |                                                |       |      |     |
| <b>Educational level:</b> I., II.                                                                                                                                                                 |      |                                                |       |      |     |
| <b>Prerequisites:</b> FMFI.KZVI/1-UIN-246/10 - Interactive Programming and Visual Modelling                                                                                                       |      |                                                |       |      |     |
| <b>Course requirements:</b>                                                                                                                                                                       |      |                                                |       |      |     |
| <b>Learning outcomes:</b>                                                                                                                                                                         |      |                                                |       |      |     |
| <b>Class syllabus:</b>                                                                                                                                                                            |      |                                                |       |      |     |
| <b>Recommended literature:</b>                                                                                                                                                                    |      |                                                |       |      |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                |      |                                                |       |      |     |
| <b>Notes:</b>                                                                                                                                                                                     |      |                                                |       |      |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 14                                                                                                                          |      |                                                |       |      |     |
| A                                                                                                                                                                                                 | B    | C                                              | D     | E    | FX  |
| 57,14                                                                                                                                                                                             | 7,14 | 14,29                                          | 14,29 | 7,14 | 0,0 |
| <b>Lecturers:</b> RNDr. Michal Winczer, PhD.                                                                                                                                                      |      |                                                |       |      |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |      |                                                |       |      |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |      |                                                |       |      |     |

## 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.KZVI/1-UIN-325/15                                                                                                                                                       |      | <b>Course title:</b><br>Programming Etudes (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> 3                                                                                                                                                                       |      |                                                |       |     |     |
| <b>Recommended semester:</b> 6.                                                                                                                                                                   |      |                                                |       |     |     |
| <b>Educational level:</b> I., II.                                                                                                                                                                 |      |                                                |       |     |     |
| <b>Prerequisites:</b> FMFI.KZVI/1-UIN-241/15 - Programming (3) and FMFI.KZVI/1-UIN-236/15 - Algorithms and Data Structures                                                                        |      |                                                |       |     |     |
| <b>Antirequisites:</b> FMFI.KZVI/1-UIN-325/00                                                                                                                                                     |      |                                                |       |     |     |
| <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: 12                                                                                                                          |      |                                                |       |     |     |
| A                                                                                                                                                                                                 | B    | C                                              | D     | E   | FX  |
| 75,0                                                                                                                                                                                              | 8,33 | 0,0                                            | 16,67 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. PaedDr. Monika Tomcsányiová, PhD.                                                                                                                                          |      |                                                |       |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |      |                                                |       |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |      |                                                |       |     |     |

## 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.KZVI/2-pUIN-002/15                                                                                                                                                       |       | <b>Course title:</b><br>Programming Languages in Education |     |       |       |
| <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., 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: 9                                                                                                                            |       |                                                            |     |       |       |
| A                                                                                                                                                                                                  | B     | C                                                          | D   | E     | FX    |
| 66,67                                                                                                                                                                                              | 11,11 | 0,0                                                        | 0,0 | 11,11 | 11,11 |
| <b>Lecturers:</b> doc. RNDr. Ľudmila Jašková, PhD., Mgr. Karolína Mayerová, PhD.                                                                                                                   |       |                                                            |     |       |       |
| <b>Last change:</b>                                                                                                                                                                                |       |                                                            |     |       |       |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |       |                                                            |     |       |       |

## 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.KZVI/1-UIN-350/15                                                                                                                                                       |      | <b>Course title:</b><br>Programming in C# |      |     |     |
| <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> I., II.                                                                                                                                                                 |      |                                           |      |     |     |
| <b>Prerequisites:</b> FMFI.KZVI/1-UIN-241/15 - Programming (3)                                                                                                                                    |      |                                           |      |     |     |
| <b>Antirequisites:</b> FMFI.KZVI/1-UIN-350/00                                                                                                                                                     |      |                                           |      |     |     |
| <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: 12                                                                                                                          |      |                                           |      |     |     |
| A                                                                                                                                                                                                 | B    | C                                         | D    | E   | FX  |
| 75,0                                                                                                                                                                                              | 8,33 | 8,33                                      | 8,33 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Ľubomír Salanci, PhD.                                                                                                                                                |      |                                           |      |     |     |
| <b>Last change:</b> 12.10.2016                                                                                                                                                                    |      |                                           |      |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |      |                                           |      |     |     |

## 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.KZVI/1-UIN-351/17                                                                                                                                                       |       | <b>Course title:</b><br>Programming in JavaScript |     |     |     |
| <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> I., II.                                                                                                                                                                 |       |                                                   |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                             |       |                                                   |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                                       |       |                                                   |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                                         |       |                                                   |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                                            |       |                                                   |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                                    |       |                                                   |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                |       |                                                   |     |     |     |
| <b>Notes:</b>                                                                                                                                                                                     |       |                                                   |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1                                                                                                                           |       |                                                   |     |     |     |
| A                                                                                                                                                                                                 | B     | C                                                 | D   | E   | FX  |
| 0,0                                                                                                                                                                                               | 100,0 | 0,0                                               | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. PaedDr. Monika Tomcsányiová, PhD.                                                                                                                                          |       |                                                   |     |     |     |
| <b>Last change:</b> 17.05.2017                                                                                                                                                                    |       |                                                   |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |       |                                                   |     |     |     |

## 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.KZVI/1-UIN-349/15                                                                                                                                                       |     | <b>Course title:</b><br>Programming of Application for WEB |       |       |       |
| <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> 6.                                                                                                                                                                   |     |                                                            |       |       |       |
| <b>Educational level:</b> I., II.                                                                                                                                                                 |     |                                                            |       |       |       |
| <b>Prerequisites:</b> FMFI.KZVI/1-UIN-355/10 - Introduction to Web Documents Formation                                                                                                            |     |                                                            |       |       |       |
| <b>Antirequisites:</b> FMFI.KZVI/1-UIN-349/00                                                                                                                                                     |     |                                                            |       |       |       |
| <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: 7                                                                                                                           |     |                                                            |       |       |       |
| A                                                                                                                                                                                                 | B   | C                                                          | D     | E     | FX    |
| 14,29                                                                                                                                                                                             | 0,0 | 14,29                                                      | 42,86 | 14,29 | 14,29 |
| <b>Lecturers:</b> PaedDr. Roman Hrušecký, PhD.                                                                                                                                                    |     |                                                            |       |       |       |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |     |                                                            |       |       |       |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |     |                                                            |       |       |       |

## 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.KZVI/2-UIN-236/15                                                                                                                                                       |      | <b>Course title:</b><br>Programming of Application for WEB (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> 3.                                                                                                                                                                   |      |                                                                |     |     |     |
| <b>Educational level:</b> II.                                                                                                                                                                     |      |                                                                |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                             |      |                                                                |     |     |     |
| <b>Antirequisites:</b> FMFI.KZVI/2-UIN-236/10                                                                                                                                                     |      |                                                                |     |     |     |
| <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: 25                                                                                                                          |      |                                                                |     |     |     |
| A                                                                                                                                                                                                 | B    | C                                                              | D   | E   | FX  |
| 68,0                                                                                                                                                                                              | 20,0 | 4,0                                                            | 4,0 | 0,0 | 4,0 |
| <b>Lecturers:</b> PaedDr. Roman Hrušecký, PhD.                                                                                                                                                    |      |                                                                |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |      |                                                                |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |      |                                                                |     |     |     |

## 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.KZVI/1-UIN-250/00                                                                                                                                                                                                                                                                                                                    |      | <b>Course title:</b><br>Propedeutics of Informatics Education (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> I., II., N                                                                                                                                                                                                                                                                                                                           |      |                                                                   |      |     |      |
| <b>Prerequisites:</b>                                                                                                                                                                                                                                                                                                                                          |      |                                                                   |      |     |      |
| <b>Course requirements:</b>                                                                                                                                                                                                                                                                                                                                    |      |                                                                   |      |     |      |
| <b>Learning outcomes:</b>                                                                                                                                                                                                                                                                                                                                      |      |                                                                   |      |     |      |
| <b>Class syllabus:</b><br>Information around us. Different areas of the ICT utilisation (computer as a tool for processing texts, spreadsheets, tables, graphics...; computer as a tool for learning). Computer systems (hardware, operating systems...).                                                                                                      |      |                                                                   |      |     |      |
| <b>Recommended literature:</b><br>basic textbook on upper secondary Informatics<br>additional workbooks on upper secondary Informatics on spreadsheets, texts, Internet, graphics etc.<br>web page <a href="http://www.edi.fmph.uniba.sk">http://www.edi.fmph.uniba.sk</a><br>web page <a href="http://www.ucebnica.input.sk">http://www.ucebnica.input.sk</a> |      |                                                                   |      |     |      |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                                                                                                                                             |      |                                                                   |      |     |      |
| <b>Notes:</b>                                                                                                                                                                                                                                                                                                                                                  |      |                                                                   |      |     |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 127                                                                                                                                                                                                                                                                                      |      |                                                                   |      |     |      |
| A                                                                                                                                                                                                                                                                                                                                                              | B    | C                                                                 | D    | E   | FX   |
| 87,4                                                                                                                                                                                                                                                                                                                                                           | 2,36 | 3,15                                                              | 1,57 | 0,0 | 5,51 |
| <b>Lecturers:</b> Mgr. Karolína Mayerová, PhD.                                                                                                                                                                                                                                                                                                                 |      |                                                                   |      |     |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                                                                                                                                                 |      |                                                                   |      |     |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                                                                                                                                                                     |      |                                                                   |      |     |      |

## 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.KZVI/1-UIN-251/00                                                                                                                                                                                                                                                                                                                    |      | <b>Course title:</b><br>Propedeutics of Informatics Education (2) |     |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning                                                                                                                                                             |      |                                                                   |     |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                                                                                                                                                                                    |      |                                                                   |     |      |      |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                                                                                                                                                                |      |                                                                   |     |      |      |
| <b>Educational level:</b> I., II., N                                                                                                                                                                                                                                                                                                                           |      |                                                                   |     |      |      |
| <b>Prerequisites:</b> FMFL.KZVI/1-UIN-250/00 - Propedeutics of Informatics Education (1)                                                                                                                                                                                                                                                                       |      |                                                                   |     |      |      |
| <b>Course requirements:</b>                                                                                                                                                                                                                                                                                                                                    |      |                                                                   |     |      |      |
| <b>Learning outcomes:</b>                                                                                                                                                                                                                                                                                                                                      |      |                                                                   |     |      |      |
| <b>Class syllabus:</b><br>- Areas of the ICT application - computer as a tool for processing different types of data, computer as a tool for communication and collaboration<br>- Presenting information<br>- Information society, Knowledge economy<br>- ICT ethics<br>- Rules for occupational safety, risk factors of using ICT.                            |      |                                                                   |     |      |      |
| <b>Recommended literature:</b><br>basic textbook on upper secondary Informatics<br>additional workbooks on upper secondary Informatics on spreadsheets, texts, Internet, graphics etc.<br>web page <a href="http://www.edi.fmph.uniba.sk">http://www.edi.fmph.uniba.sk</a><br>web page <a href="http://www.ucebnica.input.sk">http://www.ucebnica.input.sk</a> |      |                                                                   |     |      |      |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                                                                                                                                                             |      |                                                                   |     |      |      |
| <b>Notes:</b>                                                                                                                                                                                                                                                                                                                                                  |      |                                                                   |     |      |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 96                                                                                                                                                                                                                                                                                       |      |                                                                   |     |      |      |
| A                                                                                                                                                                                                                                                                                                                                                              | B    | C                                                                 | D   | E    | FX   |
| 88,54                                                                                                                                                                                                                                                                                                                                                          | 4,17 | 0,0                                                               | 0,0 | 2,08 | 5,21 |
| <b>Lecturers:</b> Mgr. Karolína Mayerová, PhD.                                                                                                                                                                                                                                                                                                                 |      |                                                                   |     |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                                                                                                                                                 |      |                                                                   |     |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                                                                                                                                                                     |      |                                                                   |     |      |      |

## 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-PriF.KDPP/1-<br>UXX-141/15                                                                                                                                                                  |     | <b>Course title:</b><br>Psychology for Teachers (1) |       |       |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 28 / 28<br><b>Form of the course:</b> on-site learning |     |                                                     |       |       |      |
| <b>Number of credits:</b> 4                                                                                                                                                                                           |     |                                                     |       |       |      |
| <b>Recommended semester:</b> 1.                                                                                                                                                                                       |     |                                                     |       |       |      |
| <b>Educational level:</b> I., II., N                                                                                                                                                                                  |     |                                                     |       |       |      |
| <b>Prerequisites:</b>                                                                                                                                                                                                 |     |                                                     |       |       |      |
| <b>Antirequisites:</b> FMFI-PriF.KDPP/1-UXX-131/10                                                                                                                                                                    |     |                                                     |       |       |      |
| <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: 372                                                                                                                                             |     |                                                     |       |       |      |
| A                                                                                                                                                                                                                     | B   | C                                                   | D     | E     | FX   |
| 17,2                                                                                                                                                                                                                  | 8,6 | 23,12                                               | 24,46 | 20,43 | 6,18 |
| <b>Lecturers:</b> PhDr. Helena Hrubíšková, PhD., Mgr. Diana Demkaninová                                                                                                                                               |     |                                                     |       |       |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                        |     |                                                     |       |       |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                            |     |                                                     |       |       |      |

## 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-PriF.KDPP/1-UXX-142/15                                                                                                                                                                      |       | <b>Course title:</b><br>Psychology for Teachers (2) |       |       |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 28 / 28<br><b>Form of the course:</b> on-site learning |       |                                                     |       |       |      |
| <b>Number of credits:</b> 4                                                                                                                                                                                           |       |                                                     |       |       |      |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                       |       |                                                     |       |       |      |
| <b>Educational level:</b> I., II., N                                                                                                                                                                                  |       |                                                     |       |       |      |
| <b>Prerequisites:</b> FMFI-PriF.KDPP/1-UXX-141/15 - Psychology for Teachers (1)                                                                                                                                       |       |                                                     |       |       |      |
| <b>Antirequisites:</b> FMFI-PriF.KDPP/1-UXX-135/10                                                                                                                                                                    |       |                                                     |       |       |      |
| <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: 251                                                                                                                                             |       |                                                     |       |       |      |
| A                                                                                                                                                                                                                     | B     | C                                                   | D     | E     | FX   |
| 18,33                                                                                                                                                                                                                 | 13,94 | 16,33                                               | 28,29 | 18,73 | 4,38 |
| <b>Lecturers:</b> PhDr. Helena Hrubíšková, PhD., Mgr. Diana Demkaninová                                                                                                                                               |       |                                                     |       |       |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                        |       |                                                     |       |       |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                            |       |                                                     |       |       |      |

## 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.KZVI/2-UXX-202/00                                                                                                                                                       |     | <b>Course title:</b><br>Robotics in Education (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> 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  |
| 94,92                                                                                                                                                                                             | 0,0 | 1,69                                              | 3,39 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Karolína Mayerová, PhD.                                                                                                                                                    |     |                                                   |      |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |     |                                                   |      |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |     |                                                   |      |     |     |

## 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-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: 642                                                                                                                             |      |                                              |      |      |     |
| A                                                                                                                                                                                                     | B    | C                                            | D    | E    | FX  |
| 60,9                                                                                                                                                                                                  | 16,2 | 9,66                                         | 4,83 | 1,71 | 6,7 |
| <b>Lecturers:</b> PhDr. Elena Klátiková                                                                                                                                                               |      |                                              |      |      |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                        |      |                                              |      |      |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                            |      |                                              |      |      |     |

## 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-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: 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> 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: 389                                                                                                                      |      |                                              |      |      |      |
| A                                                                                                                                                                                              | B    | C                                            | D    | E    | FX   |
| 65,81                                                                                                                                                                                          | 16,2 | 9,0                                          | 3,34 | 1,03 | 4,63 |
| <b>Lecturers:</b> PhDr. Elena Klátiková                                                                                                                                                        |      |                                              |      |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                 |      |                                              |      |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                     |      |                                              |      |      |      |

## 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: 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 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: 191                                                                                                                                     |       |                                              |      |     |      |
| A                                                                                                                                                                                                             | B     | C                                            | D    | E   | FX   |
| 70,68                                                                                                                                                                                                         | 17,28 | 8,38                                         | 2,62 | 0,0 | 1,05 |
| <b>Lecturers:</b> PhDr. Elena Klátiková                                                                                                                                                                       |       |                                              |      |     |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                |       |                                              |      |     |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                    |       |                                              |      |     |      |

## 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-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: 2 per level/semester: 28</b><br><b>Form of the course:</b> on-site learning                |       |                                              |      |      |      |
| <b>Number of credits:</b> 2                                                                                                                                                                                   |       |                                              |      |      |      |
| <b>Recommended semester:</b> 4.                                                                                                                                                                               |       |                                              |      |      |      |
| <b>Educational level:</b> 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: 130                                                                                                                                     |       |                                              |      |      |      |
| A                                                                                                                                                                                                             | B     | C                                            | D    | E    | FX   |
| 73,85                                                                                                                                                                                                         | 13,85 | 7,69                                         | 3,08 | 0,77 | 0,77 |
| <b>Lecturers:</b> PhDr. Elena Klátiková                                                                                                                                                                       |       |                                              |      |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                |       |                                              |      |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                    |       |                                              |      |      |      |

## 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-Prif.KDPP/1-<br>UXX-331/15                                                                                                                                                                  |       | <b>Course title:</b><br>School Management |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 / 2 <b>per level/semester:</b> 14 / 28<br><b>Form of the course:</b> on-site learning |       |                                           |     |     |     |
| <b>Number of credits:</b> 4                                                                                                                                                                                           |       |                                           |     |     |     |
| <b>Recommended semester:</b> 4.                                                                                                                                                                                       |       |                                           |     |     |     |
| <b>Educational level:</b> I., II., N                                                                                                                                                                                  |       |                                           |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                                                 |       |                                           |     |     |     |
| <b>Antirequisites:</b> FMFI-PriF.KDPP/1-UXX-331/10                                                                                                                                                                    |       |                                           |     |     |     |
| <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: 91                                                                                                                                              |       |                                           |     |     |     |
| A                                                                                                                                                                                                                     | B     | C                                         | D   | E   | FX  |
| 56,04                                                                                                                                                                                                                 | 26,37 | 15,38                                     | 0,0 | 1,1 | 1,1 |
| <b>Lecturers:</b> doc. PaedDr. Zuzana Haláková, PhD.                                                                                                                                                                  |       |                                           |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                        |       |                                           |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                            |       |                                           |     |     |     |

## 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.KZVI/2-UIN-143/15                                                                                                                                                       |     | <b>Course title:</b><br>School Network Administration |     |     |      |
| <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., 6.                                                                                                                                                               |     |                                                       |     |     |      |
| <b>Educational level:</b> II.                                                                                                                                                                     |     |                                                       |     |     |      |
| <b>Prerequisites:</b> FMFI.KZVI/2-UIN-242/15 - Networks                                                                                                                                           |     |                                                       |     |     |      |
| <b>Antirequisites:</b> FMFI.KZVI/2-UIN-143/00                                                                                                                                                     |     |                                                       |     |     |      |
| <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: 46                                                                                                                          |     |                                                       |     |     |      |
| A                                                                                                                                                                                                 | B   | C                                                     | D   | E   | FX   |
| 97,83                                                                                                                                                                                             | 0,0 | 0,0                                                   | 0,0 | 0,0 | 2,17 |
| <b>Lecturers:</b> Mgr. Miroslav Wagner                                                                                                                                                            |     |                                                       |     |     |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |     |                                                       |     |     |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |     |                                                       |     |     |      |

## 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.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> 4.                                                                                                                                                                   |       |                                                                     |       |       |     |
| <b>Educational level:</b> II.                                                                                                                                                                     |       |                                                                     |       |       |     |
| <b>Prerequisites:</b>                                                                                                                                                                             |       |                                                                     |       |       |     |
| <b>Antirequisites:</b> FMFI.KAGDM/2-UMA-111/00                                                                                                                                                    |       |                                                                     |       |       |     |
| <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: 224                                                                                                                         |       |                                                                     |       |       |     |
| A                                                                                                                                                                                                 | B     | C                                                                   | D     | E     | FX  |
| 31,25                                                                                                                                                                                             | 22,32 | 18,3                                                                | 16,96 | 11,16 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Ivan Kupka, CSc.                                                                                                                                                     |       |                                                                     |       |       |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |       |                                                                     |       |       |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |       |                                                                     |       |       |     |

## 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.KAGDM/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> 5.                                                                                                                                                                   |       |                                                                     |       |       |      |
| <b>Educational level:</b> II.                                                                                                                                                                     |       |                                                                     |       |       |      |
| <b>Prerequisites:</b>                                                                                                                                                                             |       |                                                                     |       |       |      |
| <b>Antirequisites:</b> FMFI.KAGDM/2-UMA-112/00                                                                                                                                                    |       |                                                                     |       |       |      |
| <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: 195                                                                                                                         |       |                                                                     |       |       |      |
| A                                                                                                                                                                                                 | B     | C                                                                   | D     | E     | FX   |
| 36,41                                                                                                                                                                                             | 15,38 | 17,44                                                               | 12,31 | 17,95 | 0,51 |
| <b>Lecturers:</b> doc. RNDr. Ivan Kupka, CSc.                                                                                                                                                     |       |                                                                     |       |       |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |       |                                                                     |       |       |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |       |                                                                     |       |       |      |

## 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.KAGDM/2-<br>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> 6.                                                                                                                                                                   |     |                                                    |     |     |     |
| <b>Educational level:</b> II.                                                                                                                                                                     |     |                                                    |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                             |     |                                                    |     |     |     |
| <b>Antirequisites:</b> FMFI.KAGDM/1-UMA-202/00                                                                                                                                                    |     |                                                    |     |     |     |
| <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: 0                                                                                                                           |     |                                                    |     |     |     |
| A                                                                                                                                                                                                 | B   | C                                                  | D   | E   | FX  |
| 0,0                                                                                                                                                                                               | 0,0 | 0,0                                                | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Juraj Činčura, CSc., RNDr. Jana Tomanová, CSc., Mgr. Martin Niepel, PhD.                                                                                             |     |                                                    |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |     |                                                    |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |     |                                                    |     |     |     |

## 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.KAGDM/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> 4.                                                                                                                                                                    |       |                                                                        |      |      |      |
| <b>Educational level:</b> II.                                                                                                                                                                      |       |                                                                        |      |      |      |
| <b>Prerequisites:</b>                                                                                                                                                                              |       |                                                                        |      |      |      |
| <b>Antirequisites:</b> FMFI.KAGDM/2-UMA-283/10                                                                                                                                                     |       |                                                                        |      |      |      |
| <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: 51                                                                                                                           |       |                                                                        |      |      |      |
| A                                                                                                                                                                                                  | B     | C                                                                      | D    | E    | FX   |
| 68,63                                                                                                                                                                                              | 15,69 | 5,88                                                                   | 5,88 | 1,96 | 1,96 |
| <b>Lecturers:</b> doc. RNDr. Štefan Solčan, CSc., RNDr. Monika Dillingerová, PhD.                                                                                                                  |       |                                                                        |      |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |       |                                                                        |      |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |       |                                                                        |      |      |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |       |                                                               |      |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------------------|------|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |       |                                                               |      |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics                                                                                                                                    |       |                                                               |      |     |     |
| <b>Course ID:</b><br>FMFI.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> 5.                                                                                                                                                                    |       |                                                               |      |     |     |
| <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: 39                                                                                                                           |       |                                                               |      |     |     |
| A                                                                                                                                                                                                  | B     | C                                                             | D    | E   | FX  |
| 58,97                                                                                                                                                                                              | 28,21 | 10,26                                                         | 2,56 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Zbyněk Kubáček, CSc.                                                                                                                                                  |       |                                                               |      |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |       |                                                               |      |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |       |                                                               |      |     |     |

## 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.KAGDM/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> 6.                                                                                                                                                                    |      |                                                               |      |     |     |
| <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: 39                                                                                                                           |      |                                                               |      |     |     |
| A                                                                                                                                                                                                  | B    | C                                                             | D    | E   | FX  |
| 89,74                                                                                                                                                                                              | 7,69 | 0,0                                                           | 2,56 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Zbyněk Kubáček, CSc.                                                                                                                                                  |      |                                                               |      |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |      |                                                               |      |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |      |                                                               |      |     |     |

## 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.KAGDM/2-<br>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> 6.                                                                                                                                                                   |       |                                    |       |       |      |
| <b>Educational level:</b> II.                                                                                                                                                                     |       |                                    |       |       |      |
| <b>Prerequisites:</b>                                                                                                                                                                             |       |                                    |       |       |      |
| <b>Antirequisites:</b> FMFI.KAGDM/2-UMA-115/00                                                                                                                                                    |       |                                    |       |       |      |
| <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: 212                                                                                                                         |       |                                    |       |       |      |
| A                                                                                                                                                                                                 | B     | C                                  | D     | E     | FX   |
| 26,89                                                                                                                                                                                             | 16,51 | 21,7                               | 16,04 | 17,92 | 0,94 |
| <b>Lecturers:</b> prof. RNDr. Pavol Zlatoš, PhD., RNDr. Martin Sleziak, PhD.                                                                                                                      |       |                                    |       |       |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |       |                                    |       |       |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |       |                                    |       |       |      |

## 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.KZVI/1-UXX-332/10                                                                                                                                                 |     | <b>Course title:</b><br>Social Aspects of Informatics |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week: 2 per level/semester: 28</b><br><b>Form of the course:</b> on-site learning |     |                                                       |     |     |     |
| <b>Number of credits:</b> 3                                                                                                                                                                 |     |                                                       |     |     |     |
| <b>Recommended semester:</b> 3.                                                                                                                                                             |     |                                                       |     |     |     |
| <b>Educational level:</b> I., II.                                                                                                                                                           |     |                                                       |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                       |     |                                                       |     |     |     |
| <b>Antirequisites:</b> FMFI.KZVI/1-INF-175/00 and FMFI.KZVI/1-UXX-333/10                                                                                                                    |     |                                                       |     |     |     |
| <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: 50                                                                                                                    |     |                                                       |     |     |     |
| A                                                                                                                                                                                           | B   | C                                                     | D   | E   | FX  |
| 90,0                                                                                                                                                                                        | 6,0 | 0,0                                                   | 2,0 | 2,0 | 0,0 |
| <b>Lecturers:</b> RNDr. Michal Winczer, PhD.                                                                                                                                                |     |                                                       |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                              |     |                                                       |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                  |     |                                                       |     |     |     |

## 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.KAI/2-UIN-263/15                                                                                                                                                        |      | <b>Course title:</b><br>Software Engineering |     |     |     |
| <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> 6.                                                                                                                                                                   |      |                                              |     |     |     |
| <b>Educational level:</b> II.                                                                                                                                                                     |      |                                              |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                             |      |                                              |     |     |     |
| <b>Antirequisites:</b> FMFI.KAI/2-UIN-263/10                                                                                                                                                      |      |                                              |     |     |     |
| <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: 12                                                                                                                          |      |                                              |     |     |     |
| A                                                                                                                                                                                                 | B    | C                                            | D   | E   | FX  |
| 66,67                                                                                                                                                                                             | 25,0 | 8,33                                         | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Ing. František Gyarfaš, CSc.                                                                                                                                                    |      |                                              |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |      |                                              |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |      |                                              |     |     |     |

## 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/1-MXX-115/15                                                                                                                                     |     | <b>Course title:</b><br>Sports in Nature (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> 2.                                                                                                                                                |     |                                              |     |     |     |
| <b>Educational level:</b> I., II.                                                                                                                                              |     |                                              |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |                                              |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |                                              |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |                                              |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |                                              |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |                                              |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |                                              |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |                                              |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 171                                                                                                      |     |                                              |     |     |     |
| A                                                                                                                                                                              | B   | C                                            | D   | E   | FX  |
| 99,42                                                                                                                                                                          | 0,0 | 0,58                                         | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Martin Dovičák, Mgr. Tomáš Kuchár, PhD., Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Ondrej Podkonický                      |     |                                              |     |     |     |
| <b>Last change:</b> 25.05.2016                                                                                                                                                 |     |                                              |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                     |     |                                              |     |     |     |

## 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/1-MXX-115/15                                                                                                                                     |     | <b>Course title:</b><br>Sports in Nature (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> I., II.                                                                                                                                              |     |                                              |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |                                              |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |                                              |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |                                              |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |                                              |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |                                              |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |                                              |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |                                              |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 171                                                                                                      |     |                                              |     |     |     |
| A                                                                                                                                                                              | B   | C                                            | D   | E   | FX  |
| 99,42                                                                                                                                                                          | 0,0 | 0,58                                         | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Martin Dovičák, Mgr. Tomáš Kuchár, PhD., Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Ondrej Podkonický                      |     |                                              |     |     |     |
| <b>Last change:</b> 25.05.2016                                                                                                                                                 |     |                                              |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                     |     |                                              |     |     |     |

## 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/1-MXX-215/15                                                                                                                                            |     | <b>Course title:</b><br>Sports in Nature (2) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b><br><b>Form of the course:</b> on-site learning |     |                                              |     |     |     |
| <b>Number of credits:</b> 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>                                                                                                                                                                |     |                                              |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                        |     |                                              |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                                    |     |                                              |     |     |     |
| <b>Notes:</b>                                                                                                                                                                         |     |                                              |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 94                                                                                                              |     |                                              |     |     |     |
| A                                                                                                                                                                                     | B   | C                                            | D   | E   | FX  |
| 100,0                                                                                                                                                                                 | 0,0 | 0,0                                          | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Martin Dovičák, Mgr. Tomáš Kuchár, PhD., Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Ondrej Podkonický                             |     |                                              |     |     |     |
| <b>Last change:</b> 25.05.2016                                                                                                                                                        |     |                                              |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                            |     |                                              |     |     |     |

## 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/1-MXX-215/15                                                                                                                                     |     | <b>Course title:</b><br>Sports in Nature (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> 4.                                                                                                                                                |     |                                              |     |     |     |
| <b>Educational level:</b> I., II.                                                                                                                                              |     |                                              |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                          |     |                                              |     |     |     |
| <b>Course requirements:</b>                                                                                                                                                    |     |                                              |     |     |     |
| <b>Learning outcomes:</b>                                                                                                                                                      |     |                                              |     |     |     |
| <b>Class syllabus:</b>                                                                                                                                                         |     |                                              |     |     |     |
| <b>Recommended literature:</b>                                                                                                                                                 |     |                                              |     |     |     |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |     |                                              |     |     |     |
| <b>Notes:</b>                                                                                                                                                                  |     |                                              |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 94                                                                                                       |     |                                              |     |     |     |
| A                                                                                                                                                                              | B   | C                                            | D   | E   | FX  |
| 100,0                                                                                                                                                                          | 0,0 | 0,0                                          | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> Mgr. Martin Dovičák, Mgr. Tomáš Kuchár, PhD., Mgr. Jana Leginusová, PaedDr. Dana Mašlejová, Mgr. Ladislav Mókus, Mgr. Ondrej Podkonický                      |     |                                              |     |     |     |
| <b>Last change:</b> 25.05.2016                                                                                                                                                 |     |                                              |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                     |     |                                              |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |     |                                                                   |     |     |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |     |                                                                   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics                                                                                                                                    |     |                                                                   |     |     |     |
| <b>Course ID:</b><br>FMFI.KZVI/2-UXX-831/15                                                                                                                                                        |     | <b>Course title:</b><br>Teaching Practice in Computer Science (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> 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: 47                                                                                                                           |     |                                                                   |     |     |     |
| 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>                                                                                                                                                                                |     |                                                                   |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |     |                                                                   |     |     |     |

## 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.KZVI/2-UXX-832/15                                                                                                                                                        |     | <b>Course title:</b><br>Teaching Practice in Computer Science (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> 5.                                                                                                                                                                    |     |                                                                   |     |     |     |
| <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: 61                                                                                                                           |     |                                                                   |     |     |     |
| 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>                                                                                                                                                                                |     |                                                                   |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |     |                                                                   |     |     |     |

## 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.KAGDM/2-<br>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> 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: 156                                                                                                                          |      |                                                              |     |      |     |
| A                                                                                                                                                                                                  | B    | C                                                            | D   | E    | FX  |
| 94,23                                                                                                                                                                                              | 0,64 | 3,85                                                         | 0,0 | 1,28 | 0,0 |
| <b>Lecturers:</b> PaedDr. Iveta Kohanová, PhD., Mgr. Michaela Vargová, PhD.                                                                                                                        |      |                                                              |     |      |     |
| <b>Last change:</b>                                                                                                                                                                                |      |                                                              |     |      |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |      |                                                              |     |      |     |

## 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.KAGDM/2-<br>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> 5.                                                                                                                                                                    |      |                                                              |      |     |     |
| <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: 168                                                                                                                          |      |                                                              |      |     |     |
| A                                                                                                                                                                                                  | B    | C                                                            | D    | E   | FX  |
| 87,5                                                                                                                                                                                               | 5,36 | 4,17                                                         | 2,38 | 0,6 | 0,0 |
| <b>Lecturers:</b> PaedDr. Iveta Kohanová, PhD., Mgr. Michaela Vargová, PhD.                                                                                                                        |      |                                                              |      |     |     |
| <b>Last change:</b>                                                                                                                                                                                |      |                                                              |      |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                         |      |                                                              |      |     |     |

## 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.KZVI/2-UIN-101/15                                                                                                                                                       |       | <b>Course title:</b><br>Theoretical Computer Science (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> 3., 5.                                                                                                                                                               |       |                                                          |       |      |      |
| <b>Educational level:</b> II.                                                                                                                                                                     |       |                                                          |       |      |      |
| <b>Prerequisites:</b>                                                                                                                                                                             |       |                                                          |       |      |      |
| <b>Antirequisites:</b> FMFI.KZVI/2-UIN-101/00                                                                                                                                                     |       |                                                          |       |      |      |
| <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: 61                                                                                                                          |       |                                                          |       |      |      |
| A                                                                                                                                                                                                 | B     | C                                                        | D     | E    | FX   |
| 37,7                                                                                                                                                                                              | 13,11 | 18,03                                                    | 24,59 | 4,92 | 1,64 |
| <b>Lecturers:</b> RNDr. Michal Winczer, PhD.                                                                                                                                                      |       |                                                          |       |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |       |                                                          |       |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |       |                                                          |       |      |      |

## 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.KZVI/2-UIN-102/15                                                                                                                                                                     |     | <b>Course title:</b><br>Theoretical Computer Science (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> 3                                                                                                                                                                                     |     |                                                          |     |     |      |
| <b>Recommended semester:</b> 4.                                                                                                                                                                                 |     |                                                          |     |     |      |
| <b>Educational level:</b> II.                                                                                                                                                                                   |     |                                                          |     |     |      |
| <b>Prerequisites:</b> FMFI.KZVI/2-UIN-101/15 - Theoretical Computer Science (1) or FMFI.KZVI/1-AIN-211/10 - Introduction to Theoretical Informatics or FMFI.KI/1-INF-215/14 - Formal Languages and Automata (1) |     |                                                          |     |     |      |
| <b>Antirequisites:</b> FMFI.KZVI/2-UIN-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: 5                                                                                                                                         |     |                                                          |     |     |      |
| A                                                                                                                                                                                                               | B   | C                                                        | D   | E   | FX   |
| 60,0                                                                                                                                                                                                            | 0,0 | 20,0                                                     | 0,0 | 0,0 | 20,0 |
| <b>Lecturers:</b> RNDr. Michal Winczer, PhD.                                                                                                                                                                    |     |                                                          |     |     |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                  |     |                                                          |     |     |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                      |     |                                                          |     |     |      |

## 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-Prif.KDPP/1-<br>UXX-132/10                                                                                                                                                                  |       | <b>Course title:</b><br>Theoretical Fundaments of Education |      |      |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 / 1 <b>per level/semester:</b> 14 / 14<br><b>Form of the course:</b> on-site learning |       |                                                             |      |      |      |
| <b>Number of credits:</b> 3                                                                                                                                                                                           |       |                                                             |      |      |      |
| <b>Recommended semester:</b> 1.                                                                                                                                                                                       |       |                                                             |      |      |      |
| <b>Educational level:</b> I., II.                                                                                                                                                                                     |       |                                                             |      |      |      |
| <b>Prerequisites:</b>                                                                                                                                                                                                 |       |                                                             |      |      |      |
| <b>Course requirements:</b>                                                                                                                                                                                           |       |                                                             |      |      |      |
| <b>Learning outcomes:</b>                                                                                                                                                                                             |       |                                                             |      |      |      |
| <b>Class syllabus:</b>                                                                                                                                                                                                |       |                                                             |      |      |      |
| <b>Recommended literature:</b>                                                                                                                                                                                        |       |                                                             |      |      |      |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                    |       |                                                             |      |      |      |
| <b>Notes:</b>                                                                                                                                                                                                         |       |                                                             |      |      |      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 140                                                                                                                                             |       |                                                             |      |      |      |
| A                                                                                                                                                                                                                     | B     | C                                                           | D    | E    | FX   |
| 20,71                                                                                                                                                                                                                 | 41,43 | 23,57                                                       | 9,29 | 2,14 | 2,86 |
| <b>Lecturers:</b> PhDr. Helena Hrubíšková, PhD.                                                                                                                                                                       |       |                                                             |      |      |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                        |       |                                                             |      |      |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                            |       |                                                             |      |      |      |

## 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-Prif.KDPP/1-<br>UXX-134/10                                                                                                                                                                  |       | <b>Course title:</b><br>Theory of Teaching |       |       |      |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture / seminar<br><b>Number of hours:</b><br><b>per week:</b> 2 / 1 <b>per level/semester:</b> 28 / 14<br><b>Form of the course:</b> on-site learning |       |                                            |       |       |      |
| <b>Number of credits:</b> 4                                                                                                                                                                                           |       |                                            |       |       |      |
| <b>Recommended semester:</b> 2.                                                                                                                                                                                       |       |                                            |       |       |      |
| <b>Educational level:</b> I., 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   |
| 17,74                                                                                                                                                                                                                 | 16,13 | 24,19                                      | 20,97 | 16,13 | 4,84 |
| <b>Lecturers:</b> doc. PaedDr. Zuzana Haláková, PhD.                                                                                                                                                                  |       |                                            |       |       |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                        |       |                                            |       |       |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                                            |       |                                            |       |       |      |

## 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.KAGDM/2-<br>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> 6.                                                                                                                                                                   |     |                                                                    |     |       |      |
| <b>Educational level:</b> II.                                                                                                                                                                     |     |                                                                    |     |       |      |
| <b>Prerequisites:</b>                                                                                                                                                                             |     |                                                                    |     |       |      |
| <b>Antirequisites:</b> FMFI.KAGDM/2-UMA-265/00                                                                                                                                                    |     |                                                                    |     |       |      |
| <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: 23                                                                                                                          |     |                                                                    |     |       |      |
| A                                                                                                                                                                                                 | B   | C                                                                  | D   | E     | FX   |
| 47,83                                                                                                                                                                                             | 8,7 | 8,7                                                                | 8,7 | 21,74 | 4,35 |
| <b>Lecturers:</b> doc. RNDr. Martin Mačaj, PhD.                                                                                                                                                   |     |                                                                    |     |       |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |     |                                                                    |     |       |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |     |                                                                    |     |       |      |

## COURSE DESCRIPTION

|                                                                                                                                                                                                   |      |                                    |     |     |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |      |                                    |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics                                                                                                                                   |      |                                    |     |     |     |
| <b>Course ID:</b><br>FMFI.KZVI+KAGDM/2-UIN-266/15                                                                                                                                                 |      | <b>Course title:</b><br>Web Design |     |     |     |
| <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.                                                                                                                                                                     |      |                                    |     |     |     |
| <b>Prerequisites:</b>                                                                                                                                                                             |      |                                    |     |     |     |
| <b>Antirequisites:</b> FMFI.KZVI/2-UIN-266/10                                                                                                                                                     |      |                                    |     |     |     |
| <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: 50                                                                                                                          |      |                                    |     |     |     |
| A                                                                                                                                                                                                 | B    | C                                  | D   | E   | FX  |
| 84,0                                                                                                                                                                                              | 10,0 | 4,0                                | 0,0 | 0,0 | 2,0 |
| <b>Lecturers:</b> Mgr. Barbora Kamrlová, PhD., PaedDr. Roman Hrušecký, PhD.                                                                                                                       |      |                                    |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |      |                                    |     |     |     |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |      |                                    |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                   |     |                                                      |     |     |      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------|-----|-----|------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                      |     |     |      |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics                                                                                                                                   |     |                                                      |     |     |      |
| <b>Course ID:</b><br>FMFI.KZVI+KAI/2-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> 5.                                                                                                                                                                   |     |                                                      |     |     |      |
| <b>Educational level:</b> II.                                                                                                                                                                     |     |                                                      |     |     |      |
| <b>Prerequisites:</b>                                                                                                                                                                             |     |                                                      |     |     |      |
| <b>Antirequisites:</b> FMFI.KZVI+KAI/2-UIN-247/10                                                                                                                                                 |     |                                                      |     |     |      |
| <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: 29                                                                                                                          |     |                                                      |     |     |      |
| A                                                                                                                                                                                                 | B   | C                                                    | D   | E   | FX   |
| 96,55                                                                                                                                                                                             | 0,0 | 0,0                                                  | 0,0 | 0,0 | 3,45 |
| <b>Lecturers:</b> doc. RNDr. Zuzana Kubincová, PhD., RNDr. Martin Homola, PhD.                                                                                                                    |     |                                                      |     |     |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |     |                                                      |     |     |      |
| <b>Approved by:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. PhDr. Mária Potočárová, PhD., doc. RNDr. Zuzana Kubincová, PhD.                                                                        |     |                                                      |     |     |      |