

## Course descriptions

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## COURSE DESCRIPTION

|                                                                                                                                                                                                    |                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |                                                 |
| <b>Faculty:</b>                                                                                                                                                                                    |                                                 |
| <b>Course ID:</b><br>FMFL.KI+KAG/3-MDM-031/10                                                                                                                                                      | <b>Course title:</b><br>Advanced Linear Algebra |
| <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> 10                                                                                                                                                                       |                                                 |
| <b>Recommended semester:</b>                                                                                                                                                                       |                                                 |
| <b>Educational level:</b> III.                                                                                                                                                                     |                                                 |
| <b>Prerequisites:</b>                                                                                                                                                                              |                                                 |
| <b>Course requirements:</b>                                                                                                                                                                        |                                                 |
| <b>Learning outcomes:</b>                                                                                                                                                                          |                                                 |
| <b>Class syllabus:</b>                                                                                                                                                                             |                                                 |
| <b>Recommended literature:</b>                                                                                                                                                                     |                                                 |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |                                                 |
| <b>Notes:</b>                                                                                                                                                                                      |                                                 |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                                            |                                                 |
| ABS                                                                                                                                                                                                | NEABS                                           |
| 0,0                                                                                                                                                                                                | 0,0                                             |
| <b>Lecturers:</b> prof. RNDr. Pavol Zlatoš, PhD., prof. RNDr. Martin Škoviera, PhD.                                                                                                                |                                                 |
| <b>Last change:</b> 15.01.2018                                                                                                                                                                     |                                                 |
| <b>Approved by:</b>                                                                                                                                                                                |                                                 |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |                                                    |
| <b>Faculty:</b>                                                                                                                                                                                    |                                                    |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-029/10                                                                                                                                                          | <b>Course title:</b><br>Algebraic Theory of Graphs |
| <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> 10                                                                                                                                                                       |                                                    |
| <b>Recommended semester:</b> 1., 2..                                                                                                                                                               |                                                    |
| <b>Educational level:</b> III.                                                                                                                                                                     |                                                    |
| <b>Prerequisites:</b>                                                                                                                                                                              |                                                    |
| <b>Course requirements:</b>                                                                                                                                                                        |                                                    |
| <b>Learning outcomes:</b>                                                                                                                                                                          |                                                    |
| <b>Class syllabus:</b>                                                                                                                                                                             |                                                    |
| <b>Recommended literature:</b>                                                                                                                                                                     |                                                    |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |                                                    |
| <b>Notes:</b>                                                                                                                                                                                      |                                                    |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1                                                                                                                            |                                                    |
| ABS                                                                                                                                                                                                | NEABS                                              |
| 100,0                                                                                                                                                                                              | 0,0                                                |
| <b>Lecturers:</b> prof. RNDr. Martin Škoviera, PhD., doc. RNDr. Róbert Jajcay, DrSc.                                                                                                               |                                                    |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |                                                    |
| <b>Approved by:</b>                                                                                                                                                                                |                                                    |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |                                                        |
| <b>Faculty:</b>                                                                                                                                                                                    |                                                        |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-028/10                                                                                                                                                          | <b>Course title:</b><br>Algorithmics for Hard Problems |
| <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> 10                                                                                                                                                                       |                                                        |
| <b>Recommended semester:</b>                                                                                                                                                                       |                                                        |
| <b>Educational level:</b> III.                                                                                                                                                                     |                                                        |
| <b>Prerequisites:</b>                                                                                                                                                                              |                                                        |
| <b>Course requirements:</b>                                                                                                                                                                        |                                                        |
| <b>Learning outcomes:</b>                                                                                                                                                                          |                                                        |
| <b>Class syllabus:</b>                                                                                                                                                                             |                                                        |
| <b>Recommended literature:</b>                                                                                                                                                                     |                                                        |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |                                                        |
| <b>Notes:</b>                                                                                                                                                                                      |                                                        |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                                            |                                                        |
| ABS                                                                                                                                                                                                | NEABS                                                  |
| 0,0                                                                                                                                                                                                | 0,0                                                    |
| <b>Lecturers:</b> prof. RNDr. Pavol Ďuriš, CSc.                                                                                                                                                    |                                                        |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |                                                        |
| <b>Approved by:</b>                                                                                                                                                                                |                                                        |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |                                                      |
| <b>Faculty:</b>                                                                                                                                                                                    |                                                      |
| <b>Course ID:</b><br>FMFL.KAG/3-MDM-027/10                                                                                                                                                         | <b>Course title:</b><br>Classic Algebraic Structures |
| <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> 10                                                                                                                                                                       |                                                      |
| <b>Recommended semester:</b> 2.                                                                                                                                                                    |                                                      |
| <b>Educational level:</b> III.                                                                                                                                                                     |                                                      |
| <b>Prerequisites:</b>                                                                                                                                                                              |                                                      |
| <b>Course requirements:</b>                                                                                                                                                                        |                                                      |
| <b>Learning outcomes:</b>                                                                                                                                                                          |                                                      |
| <b>Class syllabus:</b>                                                                                                                                                                             |                                                      |
| <b>Recommended literature:</b>                                                                                                                                                                     |                                                      |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |                                                      |
| <b>Notes:</b>                                                                                                                                                                                      |                                                      |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                                            |                                                      |
| ABS                                                                                                                                                                                                | NEABS                                                |
| 0,0                                                                                                                                                                                                | 0,0                                                  |
| <b>Lecturers:</b> prof. RNDr. Tibor Katriňák, DrSc., doc. RNDr. Martin Mačaj, PhD.                                                                                                                 |                                                      |
| <b>Last change:</b>                                                                                                                                                                                |                                                      |
| <b>Approved by:</b>                                                                                                                                                                                |                                                      |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|---------------------------------------------------------------|-----|------|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                     |       |      |                                                               |     |      |     |       |
| <b>Faculty:</b>                                                                                                                                                                                                          |       |      |                                                               |     |      |     |       |
| <b>Course ID:</b><br>FMFL.KJP/3-MXX-101/15                                                                                                                                                                               |       |      | <b>Course title:</b><br>Course of English for PhD Studies (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, distance learning |       |      |                                                               |     |      |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                                                              |       |      |                                                               |     |      |     |       |
| <b>Recommended semester:</b>                                                                                                                                                                                             |       |      |                                                               |     |      |     |       |
| <b>Educational level:</b> III.                                                                                                                                                                                           |       |      |                                                               |     |      |     |       |
| <b>Prerequisites:</b>                                                                                                                                                                                                    |       |      |                                                               |     |      |     |       |
| <b>Course requirements:</b>                                                                                                                                                                                              |       |      |                                                               |     |      |     |       |
| <b>Learning outcomes:</b>                                                                                                                                                                                                |       |      |                                                               |     |      |     |       |
| <b>Class syllabus:</b>                                                                                                                                                                                                   |       |      |                                                               |     |      |     |       |
| <b>Recommended literature:</b>                                                                                                                                                                                           |       |      |                                                               |     |      |     |       |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                                       |       |      |                                                               |     |      |     |       |
| <b>Notes:</b>                                                                                                                                                                                                            |       |      |                                                               |     |      |     |       |
| <b>Past grade distribution</b><br>Total number of evaluated students: 118                                                                                                                                                |       |      |                                                               |     |      |     |       |
| A                                                                                                                                                                                                                        | ABS   | B    | C                                                             | D   | E    | FX  | NEABS |
| 71,19                                                                                                                                                                                                                    | 24,58 | 0,85 | 0,0                                                           | 0,0 | 3,39 | 0,0 | 0,0   |
| <b>Lecturers:</b> PhDr. Alena Zemanová                                                                                                                                                                                   |       |      |                                                               |     |      |     |       |
| <b>Last change:</b> 22.02.2019                                                                                                                                                                                           |       |      |                                                               |     |      |     |       |
| <b>Approved by:</b>                                                                                                                                                                                                      |       |      |                                                               |     |      |     |       |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|---------------------------------------------------------------|-----|-----|-----|-------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                     |       |     |                                                               |     |     |     |       |
| <b>Faculty:</b>                                                                                                                                                                                                          |       |     |                                                               |     |     |     |       |
| <b>Course ID:</b><br>FMFL.KJP/3-MXX-102/15                                                                                                                                                                               |       |     | <b>Course title:</b><br>Course of English for PhD Studies (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, distance learning |       |     |                                                               |     |     |     |       |
| <b>Number of credits:</b> 5                                                                                                                                                                                              |       |     |                                                               |     |     |     |       |
| <b>Recommended semester:</b>                                                                                                                                                                                             |       |     |                                                               |     |     |     |       |
| <b>Educational level:</b> III.                                                                                                                                                                                           |       |     |                                                               |     |     |     |       |
| <b>Prerequisites:</b> FMFL.KJP/3-MXX-101/15 - Course of English for PhD Studies (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: 119                                                                                                                                                |       |     |                                                               |     |     |     |       |
| A                                                                                                                                                                                                                        | ABS   | B   | C                                                             | D   | E   | FX  | NEABS |
| 73,95                                                                                                                                                                                                                    | 19,33 | 0,0 | 0,0                                                           | 0,0 | 0,0 | 0,0 | 6,72  |
| <b>Lecturers:</b> PhDr. Alena Zemanová                                                                                                                                                                                   |       |     |                                                               |     |     |     |       |
| <b>Last change:</b> 22.02.2019                                                                                                                                                                                           |       |     |                                                               |     |     |     |       |
| <b>Approved by:</b>                                                                                                                                                                                                      |       |     |                                                               |     |     |     |       |

## STATE EXAM DESCRIPTION

|                                                      |                                                  |
|------------------------------------------------------|--------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava |                                                  |
| <b>Faculty:</b>                                      |                                                  |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-950/15            | <b>Course title:</b><br>Dissertation Examination |
| <b>Number of credits:</b> 20                         |                                                  |
| <b>Recommended semester:</b> 3., 4..                 |                                                  |
| <b>Educational level:</b> III.                       |                                                  |
| <b>State exam syllabus:</b>                          |                                                  |
| <b>Last change:</b> 02.06.2015                       |                                                  |
| <b>Approved by:</b>                                  |                                                  |

## STATE EXAM DESCRIPTION

|                                                      |                                             |
|------------------------------------------------------|---------------------------------------------|
| <b>University:</b> Comenius University in Bratislava |                                             |
| <b>Faculty:</b>                                      |                                             |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-990/15            | <b>Course title:</b><br>Dissertation Thesis |
| <b>Number of credits:</b> 30                         |                                             |
| <b>Recommended semester:</b> 7., 8..                 |                                             |
| <b>Educational level:</b> III.                       |                                             |
| <b>State exam syllabus:</b>                          |                                             |
| <b>Last change:</b> 02.06.2015                       |                                             |
| <b>Approved by:</b>                                  |                                             |

## COURSE DESCRIPTION

|                                                                                                                                                                                                    |                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |                                                            |
| <b>Faculty:</b>                                                                                                                                                                                    |                                                            |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-023/10                                                                                                                                                          | <b>Course title:</b><br>Enumeration of Discrete Structures |
| <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> 10                                                                                                                                                                       |                                                            |
| <b>Recommended semester:</b>                                                                                                                                                                       |                                                            |
| <b>Educational level:</b> III.                                                                                                                                                                     |                                                            |
| <b>Prerequisites:</b>                                                                                                                                                                              |                                                            |
| <b>Course requirements:</b>                                                                                                                                                                        |                                                            |
| <b>Learning outcomes:</b>                                                                                                                                                                          |                                                            |
| <b>Class syllabus:</b>                                                                                                                                                                             |                                                            |
| <b>Recommended literature:</b>                                                                                                                                                                     |                                                            |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |                                                            |
| <b>Notes:</b>                                                                                                                                                                                      |                                                            |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                                            |                                                            |
| ABS                                                                                                                                                                                                | NEABS                                                      |
| 0,0                                                                                                                                                                                                | 0,0                                                        |
| <b>Lecturers:</b> doc. RNDr. Eduard Toman, CSc.                                                                                                                                                    |                                                            |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |                                                            |
| <b>Approved by:</b>                                                                                                                                                                                |                                                            |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |                                                                  |
| <b>Faculty:</b>                                                                                                                                                                                    |                                                                  |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-030/10                                                                                                                                                          | <b>Course title:</b><br>Graph Theory Methods in Computer Science |
| <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> 10                                                                                                                                                                       |                                                                  |
| <b>Recommended semester:</b>                                                                                                                                                                       |                                                                  |
| <b>Educational level:</b> III.                                                                                                                                                                     |                                                                  |
| <b>Prerequisites:</b>                                                                                                                                                                              |                                                                  |
| <b>Course requirements:</b>                                                                                                                                                                        |                                                                  |
| <b>Learning outcomes:</b>                                                                                                                                                                          |                                                                  |
| <b>Class syllabus:</b>                                                                                                                                                                             |                                                                  |
| <b>Recommended literature:</b>                                                                                                                                                                     |                                                                  |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |                                                                  |
| <b>Notes:</b>                                                                                                                                                                                      |                                                                  |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                                            |                                                                  |
| ABS                                                                                                                                                                                                | NEABS                                                            |
| 0,0                                                                                                                                                                                                | 0,0                                                              |
| <b>Lecturers:</b> prof. RNDr. Rastislav Kráľovič, PhD.                                                                                                                                             |                                                                  |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |                                                                  |
| <b>Approved by:</b>                                                                                                                                                                                |                                                                  |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |                                                                                                 |
| <b>Faculty:</b>                                                                                                                                                                |                                                                                                 |
| <b>Course ID:</b><br>FMFL.KI/3-INF-805/15                                                                                                                                      | <b>Course title:</b><br>Guidance of a Final Thesis or of a Project for the Students' Conference |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |                                                                                                 |
| <b>Number of credits:</b> 5                                                                                                                                                    |                                                                                                 |
| <b>Recommended semester:</b>                                                                                                                                                   |                                                                                                 |
| <b>Educational level:</b> III.                                                                                                                                                 |                                                                                                 |
| <b>Prerequisites:</b>                                                                                                                                                          |                                                                                                 |
| <b>Course requirements:</b>                                                                                                                                                    |                                                                                                 |
| <b>Learning outcomes:</b>                                                                                                                                                      |                                                                                                 |
| <b>Class syllabus:</b>                                                                                                                                                         |                                                                                                 |
| <b>Recommended literature:</b>                                                                                                                                                 |                                                                                                 |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |                                                                                                 |
| <b>Notes:</b>                                                                                                                                                                  |                                                                                                 |
| <b>Past grade distribution</b><br>Total number of evaluated students: 10                                                                                                       |                                                                                                 |
| ABS                                                                                                                                                                            | NEABS                                                                                           |
| 100,0                                                                                                                                                                          | 0,0                                                                                             |
| <b>Lecturers:</b>                                                                                                                                                              |                                                                                                 |
| <b>Last change:</b>                                                                                                                                                            |                                                                                                 |
| <b>Approved by:</b>                                                                                                                                                            |                                                                                                 |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                          |                                                              |
| <b>Faculty:</b>                                                                                                                                                                                               |                                                              |
| <b>Course ID:</b><br>FMFL.KI/3-INF-023/15                                                                                                                                                                     | <b>Course title:</b><br>Literature Monitoring and Processing |
| <b>Educational activities:</b><br><b>Type of activities:</b> independent work<br><b>Number of hours:</b><br><b>per week:</b> 10 <b>per level/semester:</b> 140<br><b>Form of the course:</b> on-site learning |                                                              |
| <b>Number of credits:</b> 10                                                                                                                                                                                  |                                                              |
| <b>Recommended semester:</b>                                                                                                                                                                                  |                                                              |
| <b>Educational level:</b> III.                                                                                                                                                                                |                                                              |
| <b>Prerequisites:</b>                                                                                                                                                                                         |                                                              |
| <b>Course requirements:</b>                                                                                                                                                                                   |                                                              |
| <b>Learning outcomes:</b>                                                                                                                                                                                     |                                                              |
| <b>Class syllabus:</b>                                                                                                                                                                                        |                                                              |
| <b>Recommended literature:</b>                                                                                                                                                                                |                                                              |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                            |                                                              |
| <b>Notes:</b>                                                                                                                                                                                                 |                                                              |
| <b>Past grade distribution</b><br>Total number of evaluated students: 6                                                                                                                                       |                                                              |
| ABS                                                                                                                                                                                                           | NEABS                                                        |
| 100,0                                                                                                                                                                                                         | 0,0                                                          |
| <b>Lecturers:</b>                                                                                                                                                                                             |                                                              |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                |                                                              |
| <b>Approved by:</b>                                                                                                                                                                                           |                                                              |

## COURSE DESCRIPTION

|                                                                                                                                                                                |                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |                                                        |
| <b>Faculty:</b>                                                                                                                                                                |                                                        |
| <b>Course ID:</b><br>FMFL.KI/3-INF-804/15                                                                                                                                      | <b>Course title:</b><br>Organisation of Science Events |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |                                                        |
| <b>Number of credits:</b> 2                                                                                                                                                    |                                                        |
| <b>Recommended semester:</b>                                                                                                                                                   |                                                        |
| <b>Educational level:</b> III.                                                                                                                                                 |                                                        |
| <b>Prerequisites:</b>                                                                                                                                                          |                                                        |
| <b>Course requirements:</b>                                                                                                                                                    |                                                        |
| <b>Learning outcomes:</b>                                                                                                                                                      |                                                        |
| <b>Class syllabus:</b>                                                                                                                                                         |                                                        |
| <b>Recommended literature:</b>                                                                                                                                                 |                                                        |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |                                                        |
| <b>Notes:</b>                                                                                                                                                                  |                                                        |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |                                                        |
| ABS                                                                                                                                                                            | NEABS                                                  |
| 0,0                                                                                                                                                                            | 0,0                                                    |
| <b>Lecturers:</b>                                                                                                                                                              |                                                        |
| <b>Last change:</b> 02.06.2015                                                                                                                                                 |                                                        |
| <b>Approved by:</b>                                                                                                                                                            |                                                        |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                           |                                                |
| <b>Faculty:</b>                                                                                                                                                                |                                                |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-316/15                                                                                                                                      | <b>Course title:</b><br>PhD Students' Mobility |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |                                                |
| <b>Number of credits:</b> 10                                                                                                                                                   |                                                |
| <b>Recommended semester:</b>                                                                                                                                                   |                                                |
| <b>Educational level:</b> III.                                                                                                                                                 |                                                |
| <b>Prerequisites:</b>                                                                                                                                                          |                                                |
| <b>Course requirements:</b>                                                                                                                                                    |                                                |
| <b>Learning outcomes:</b>                                                                                                                                                      |                                                |
| <b>Class syllabus:</b>                                                                                                                                                         |                                                |
| <b>Recommended literature:</b>                                                                                                                                                 |                                                |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |                                                |
| <b>Notes:</b>                                                                                                                                                                  |                                                |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |                                                |
| ABS                                                                                                                                                                            | NEABS                                          |
| 0,0                                                                                                                                                                            | 0,0                                            |
| <b>Lecturers:</b> doc. RNDr. Róbert Jajcay, DrSc.                                                                                                                              |                                                |
| <b>Last change:</b> 02.06.2015                                                                                                                                                 |                                                |
| <b>Approved by:</b>                                                                                                                                                            |                                                |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |                                                                |
| <b>Faculty:</b>                                                                                                                                                                                    |                                                                |
| <b>Course ID:</b><br>FMFI.KI/3-MDM-024/15                                                                                                                                                          | <b>Course title:</b><br>Probabilistic Methods in Combinatorics |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 4 <b>per level/semester:</b> 56<br><b>Form of the course:</b> on-site learning |                                                                |
| <b>Number of credits:</b> 10                                                                                                                                                                       |                                                                |
| <b>Recommended semester:</b>                                                                                                                                                                       |                                                                |
| <b>Educational level:</b> III.                                                                                                                                                                     |                                                                |
| <b>Prerequisites:</b>                                                                                                                                                                              |                                                                |
| <b>Antirequisites:</b> FMFI.KI/3-MDM-024/10                                                                                                                                                        |                                                                |
| <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: 0                                                                                                                            |                                                                |
| ABS                                                                                                                                                                                                | NEABS                                                          |
| 0,0                                                                                                                                                                                                | 0,0                                                            |
| <b>Lecturers:</b> doc. RNDr. Eduard Toman, CSc.                                                                                                                                                    |                                                                |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |                                                                |
| <b>Approved by:</b>                                                                                                                                                                                |                                                                |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                                        |                                           |
| <b>Faculty:</b>                                                                                                                                                                                             |                                           |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-301/10                                                                                                                                                                   | <b>Course title:</b><br>Research Work (1) |
| <b>Educational activities:</b><br><b>Type of activities:</b> independent work<br><b>Number of hours:</b><br><b>per week:</b> 5 <b>per level/semester:</b> 70<br><b>Form of the course:</b> on-site learning |                                           |
| <b>Number of credits:</b> 5                                                                                                                                                                                 |                                           |
| <b>Recommended semester:</b> 1.                                                                                                                                                                             |                                           |
| <b>Educational level:</b> III.                                                                                                                                                                              |                                           |
| <b>Prerequisites:</b>                                                                                                                                                                                       |                                           |
| <b>Course requirements:</b>                                                                                                                                                                                 |                                           |
| <b>Learning outcomes:</b>                                                                                                                                                                                   |                                           |
| <b>Class syllabus:</b>                                                                                                                                                                                      |                                           |
| <b>Recommended literature:</b>                                                                                                                                                                              |                                           |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                          |                                           |
| <b>Notes:</b>                                                                                                                                                                                               |                                           |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1                                                                                                                                     |                                           |
| ABS                                                                                                                                                                                                         | NEABS                                     |
| 100,0                                                                                                                                                                                                       | 0,0                                       |
| <b>Lecturers:</b>                                                                                                                                                                                           |                                           |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                              |                                           |
| <b>Approved by:</b>                                                                                                                                                                                         |                                           |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                                        |                                           |
| <b>Faculty:</b>                                                                                                                                                                                             |                                           |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-302/10                                                                                                                                                                   | <b>Course title:</b><br>Research Work (2) |
| <b>Educational activities:</b><br><b>Type of activities:</b> independent work<br><b>Number of hours:</b><br><b>per week:</b> 5 <b>per level/semester:</b> 70<br><b>Form of the course:</b> on-site learning |                                           |
| <b>Number of credits:</b> 5                                                                                                                                                                                 |                                           |
| <b>Recommended semester:</b> 2.                                                                                                                                                                             |                                           |
| <b>Educational level:</b> III.                                                                                                                                                                              |                                           |
| <b>Prerequisites:</b>                                                                                                                                                                                       |                                           |
| <b>Course requirements:</b>                                                                                                                                                                                 |                                           |
| <b>Learning outcomes:</b>                                                                                                                                                                                   |                                           |
| <b>Class syllabus:</b>                                                                                                                                                                                      |                                           |
| <b>Recommended literature:</b>                                                                                                                                                                              |                                           |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                          |                                           |
| <b>Notes:</b>                                                                                                                                                                                               |                                           |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                                                     |                                           |
| ABS                                                                                                                                                                                                         | NEABS                                     |
| 0,0                                                                                                                                                                                                         | 0,0                                       |
| <b>Lecturers:</b>                                                                                                                                                                                           |                                           |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                              |                                           |
| <b>Approved by:</b>                                                                                                                                                                                         |                                           |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                                 |                                           |
| <b>Faculty:</b>                                                                                                                                                                                      |                                           |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-303/10                                                                                                                                                            | <b>Course title:</b><br>Research Work (3) |
| <b>Educational activities:</b><br><b>Type of activities:</b> independent work<br><b>Number of hours:</b><br><b>per week: 5 per level/semester: 70</b><br><b>Form of the course:</b> on-site learning |                                           |
| <b>Number of credits:</b> 5                                                                                                                                                                          |                                           |
| <b>Recommended semester:</b> 3.                                                                                                                                                                      |                                           |
| <b>Educational level:</b> III.                                                                                                                                                                       |                                           |
| <b>Prerequisites:</b>                                                                                                                                                                                |                                           |
| <b>Course requirements:</b>                                                                                                                                                                          |                                           |
| <b>Learning outcomes:</b>                                                                                                                                                                            |                                           |
| <b>Class syllabus:</b>                                                                                                                                                                               |                                           |
| <b>Recommended literature:</b>                                                                                                                                                                       |                                           |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                   |                                           |
| <b>Notes:</b>                                                                                                                                                                                        |                                           |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1                                                                                                                              |                                           |
| ABS                                                                                                                                                                                                  | NEABS                                     |
| 100,0                                                                                                                                                                                                | 0,0                                       |
| <b>Lecturers:</b>                                                                                                                                                                                    |                                           |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                       |                                           |
| <b>Approved by:</b>                                                                                                                                                                                  |                                           |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                                          |                                           |
| <b>Faculty:</b>                                                                                                                                                                                               |                                           |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-304/15                                                                                                                                                                     | <b>Course title:</b><br>Research Work (4) |
| <b>Educational activities:</b><br><b>Type of activities:</b> independent work<br><b>Number of hours:</b><br><b>per week:</b> 20 <b>per level/semester:</b> 280<br><b>Form of the course:</b> on-site learning |                                           |
| <b>Number of credits:</b> 20                                                                                                                                                                                  |                                           |
| <b>Recommended semester:</b> 4.                                                                                                                                                                               |                                           |
| <b>Educational level:</b> III.                                                                                                                                                                                |                                           |
| <b>Prerequisites:</b> FMFL.KI/3-MDM-303/10 - Research Work (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: 0                                                                                                                                       |                                           |
| ABS                                                                                                                                                                                                           | NEABS                                     |
| 0,0                                                                                                                                                                                                           | 0,0                                       |
| <b>Lecturers:</b>                                                                                                                                                                                             |                                           |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                |                                           |
| <b>Approved by:</b>                                                                                                                                                                                           |                                           |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                                          |                                           |
| <b>Faculty:</b>                                                                                                                                                                                               |                                           |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-305/10                                                                                                                                                                     | <b>Course title:</b><br>Research Work (5) |
| <b>Educational activities:</b><br><b>Type of activities:</b> independent work<br><b>Number of hours:</b><br><b>per week:</b> 20 <b>per level/semester:</b> 280<br><b>Form of the course:</b> on-site learning |                                           |
| <b>Number of credits:</b> 20                                                                                                                                                                                  |                                           |
| <b>Recommended semester:</b> 5.                                                                                                                                                                               |                                           |
| <b>Educational level:</b> III.                                                                                                                                                                                |                                           |
| <b>Prerequisites:</b>                                                                                                                                                                                         |                                           |
| <b>Course requirements:</b>                                                                                                                                                                                   |                                           |
| <b>Learning outcomes:</b>                                                                                                                                                                                     |                                           |
| <b>Class syllabus:</b>                                                                                                                                                                                        |                                           |
| <b>Recommended literature:</b>                                                                                                                                                                                |                                           |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                            |                                           |
| <b>Notes:</b>                                                                                                                                                                                                 |                                           |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                                                       |                                           |
| ABS                                                                                                                                                                                                           | NEABS                                     |
| 0,0                                                                                                                                                                                                           | 0,0                                       |
| <b>Lecturers:</b>                                                                                                                                                                                             |                                           |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                |                                           |
| <b>Approved by:</b>                                                                                                                                                                                           |                                           |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                                          |                                           |
| <b>Faculty:</b>                                                                                                                                                                                               |                                           |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-306/10                                                                                                                                                                     | <b>Course title:</b><br>Research Work (6) |
| <b>Educational activities:</b><br><b>Type of activities:</b> independent work<br><b>Number of hours:</b><br><b>per week:</b> 20 <b>per level/semester:</b> 280<br><b>Form of the course:</b> on-site learning |                                           |
| <b>Number of credits:</b> 20                                                                                                                                                                                  |                                           |
| <b>Recommended semester:</b> 6.                                                                                                                                                                               |                                           |
| <b>Educational level:</b> III.                                                                                                                                                                                |                                           |
| <b>Prerequisites:</b>                                                                                                                                                                                         |                                           |
| <b>Course requirements:</b>                                                                                                                                                                                   |                                           |
| <b>Learning outcomes:</b>                                                                                                                                                                                     |                                           |
| <b>Class syllabus:</b>                                                                                                                                                                                        |                                           |
| <b>Recommended literature:</b>                                                                                                                                                                                |                                           |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                            |                                           |
| <b>Notes:</b>                                                                                                                                                                                                 |                                           |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                                                       |                                           |
| ABS                                                                                                                                                                                                           | NEABS                                     |
| 0,0                                                                                                                                                                                                           | 0,0                                       |
| <b>Lecturers:</b>                                                                                                                                                                                             |                                           |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                |                                           |
| <b>Approved by:</b>                                                                                                                                                                                           |                                           |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                                          |                                           |
| <b>Faculty:</b>                                                                                                                                                                                               |                                           |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-307/10                                                                                                                                                                     | <b>Course title:</b><br>Research Work (7) |
| <b>Educational activities:</b><br><b>Type of activities:</b> independent work<br><b>Number of hours:</b><br><b>per week:</b> 20 <b>per level/semester:</b> 280<br><b>Form of the course:</b> on-site learning |                                           |
| <b>Number of credits:</b> 20                                                                                                                                                                                  |                                           |
| <b>Recommended semester:</b> 7.                                                                                                                                                                               |                                           |
| <b>Educational level:</b> III.                                                                                                                                                                                |                                           |
| <b>Prerequisites:</b>                                                                                                                                                                                         |                                           |
| <b>Course requirements:</b>                                                                                                                                                                                   |                                           |
| <b>Learning outcomes:</b>                                                                                                                                                                                     |                                           |
| <b>Class syllabus:</b>                                                                                                                                                                                        |                                           |
| <b>Recommended literature:</b>                                                                                                                                                                                |                                           |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                            |                                           |
| <b>Notes:</b>                                                                                                                                                                                                 |                                           |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                                                       |                                           |
| ABS                                                                                                                                                                                                           | NEABS                                     |
| 0,0                                                                                                                                                                                                           | 0,0                                       |
| <b>Lecturers:</b>                                                                                                                                                                                             |                                           |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                |                                           |
| <b>Approved by:</b>                                                                                                                                                                                           |                                           |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |                                                         |
| <b>Faculty:</b>                                                                                                                                                                                    |                                                         |
| <b>Course ID:</b><br>FMFL.KAG+KI/3-<br>MDM-034/10                                                                                                                                                  | <b>Course title:</b><br>Selected Topics in Group Theory |
| <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> 10                                                                                                                                                                       |                                                         |
| <b>Recommended semester:</b>                                                                                                                                                                       |                                                         |
| <b>Educational level:</b> III.                                                                                                                                                                     |                                                         |
| <b>Prerequisites:</b>                                                                                                                                                                              |                                                         |
| <b>Course requirements:</b>                                                                                                                                                                        |                                                         |
| <b>Learning outcomes:</b>                                                                                                                                                                          |                                                         |
| <b>Class syllabus:</b>                                                                                                                                                                             |                                                         |
| <b>Recommended literature:</b>                                                                                                                                                                     |                                                         |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |                                                         |
| <b>Notes:</b>                                                                                                                                                                                      |                                                         |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                                            |                                                         |
| ABS                                                                                                                                                                                                | NEABS                                                   |
| 0,0                                                                                                                                                                                                | 0,0                                                     |
| <b>Lecturers:</b> prof. RNDr. Pavol Zlatoš, PhD., prof. RNDr. Martin Škoviera, PhD., doc. RNDr. Róbert Jajcay, DrSc.                                                                               |                                                         |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |                                                         |
| <b>Approved by:</b>                                                                                                                                                                                |                                                         |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |                                                                |
| <b>Faculty:</b>                                                                                                                                                                                    |                                                                |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-035/15                                                                                                                                                          | <b>Course title:</b><br>Selected Topics in Modern Graph Theory |
| <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> 10                                                                                                                                                                       |                                                                |
| <b>Recommended semester:</b>                                                                                                                                                                       |                                                                |
| <b>Educational level:</b> III.                                                                                                                                                                     |                                                                |
| <b>Prerequisites:</b>                                                                                                                                                                              |                                                                |
| <b>Course requirements:</b>                                                                                                                                                                        |                                                                |
| <b>Learning outcomes:</b>                                                                                                                                                                          |                                                                |
| <b>Class syllabus:</b>                                                                                                                                                                             |                                                                |
| <b>Recommended literature:</b>                                                                                                                                                                     |                                                                |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |                                                                |
| <b>Notes:</b>                                                                                                                                                                                      |                                                                |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1                                                                                                                            |                                                                |
| ABS                                                                                                                                                                                                | NEABS                                                          |
| 100,0                                                                                                                                                                                              | 0,0                                                            |
| <b>Lecturers:</b> prof. RNDr. Martin Škoviera, PhD., doc. RNDr. Edita Mačajová, PhD.                                                                                                               |                                                                |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |                                                                |
| <b>Approved by:</b>                                                                                                                                                                                |                                                                |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |                                                |
| <b>Faculty:</b>                                                                                                                                                                                    |                                                |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-308/10                                                                                                                                                          | <b>Course title:</b><br>Seminar in Science (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> 5                                                                                                                                                                        |                                                |
| <b>Recommended semester:</b> 1.                                                                                                                                                                    |                                                |
| <b>Educational level:</b> III.                                                                                                                                                                     |                                                |
| <b>Prerequisites:</b>                                                                                                                                                                              |                                                |
| <b>Course requirements:</b>                                                                                                                                                                        |                                                |
| <b>Learning outcomes:</b>                                                                                                                                                                          |                                                |
| <b>Class syllabus:</b>                                                                                                                                                                             |                                                |
| <b>Recommended literature:</b>                                                                                                                                                                     |                                                |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |                                                |
| <b>Notes:</b>                                                                                                                                                                                      |                                                |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1                                                                                                                            |                                                |
| ABS                                                                                                                                                                                                | NEABS                                          |
| 100,0                                                                                                                                                                                              | 0,0                                            |
| <b>Lecturers:</b>                                                                                                                                                                                  |                                                |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |                                                |
| <b>Approved by:</b>                                                                                                                                                                                |                                                |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |                                                |
| <b>Faculty:</b>                                                                                                                                                                                    |                                                |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-309/10                                                                                                                                                          | <b>Course title:</b><br>Seminar in Science (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> 5                                                                                                                                                                        |                                                |
| <b>Recommended semester:</b> 2.                                                                                                                                                                    |                                                |
| <b>Educational level:</b> III.                                                                                                                                                                     |                                                |
| <b>Prerequisites:</b>                                                                                                                                                                              |                                                |
| <b>Course requirements:</b>                                                                                                                                                                        |                                                |
| <b>Learning outcomes:</b>                                                                                                                                                                          |                                                |
| <b>Class syllabus:</b>                                                                                                                                                                             |                                                |
| <b>Recommended literature:</b>                                                                                                                                                                     |                                                |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |                                                |
| <b>Notes:</b>                                                                                                                                                                                      |                                                |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                                            |                                                |
| ABS                                                                                                                                                                                                | NEABS                                          |
| 0,0                                                                                                                                                                                                | 0,0                                            |
| <b>Lecturers:</b>                                                                                                                                                                                  |                                                |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |                                                |
| <b>Approved by:</b>                                                                                                                                                                                |                                                |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |                                                |
| <b>Faculty:</b>                                                                                                                                                                                    |                                                |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-310/10                                                                                                                                                          | <b>Course title:</b><br>Seminar in Science (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> 5                                                                                                                                                                        |                                                |
| <b>Recommended semester:</b> 3.                                                                                                                                                                    |                                                |
| <b>Educational level:</b> III.                                                                                                                                                                     |                                                |
| <b>Prerequisites:</b>                                                                                                                                                                              |                                                |
| <b>Course requirements:</b>                                                                                                                                                                        |                                                |
| <b>Learning outcomes:</b>                                                                                                                                                                          |                                                |
| <b>Class syllabus:</b>                                                                                                                                                                             |                                                |
| <b>Recommended literature:</b>                                                                                                                                                                     |                                                |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |                                                |
| <b>Notes:</b>                                                                                                                                                                                      |                                                |
| <b>Past grade distribution</b><br>Total number of evaluated students: 1                                                                                                                            |                                                |
| ABS                                                                                                                                                                                                | NEABS                                          |
| 100,0                                                                                                                                                                                              | 0,0                                            |
| <b>Lecturers:</b>                                                                                                                                                                                  |                                                |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |                                                |
| <b>Approved by:</b>                                                                                                                                                                                |                                                |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |                                                |
| <b>Faculty:</b>                                                                                                                                                                                    |                                                |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-311/10                                                                                                                                                          | <b>Course title:</b><br>Seminar in Science (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> 10                                                                                                                                                                       |                                                |
| <b>Recommended semester:</b> 4.                                                                                                                                                                    |                                                |
| <b>Educational level:</b> III.                                                                                                                                                                     |                                                |
| <b>Prerequisites:</b>                                                                                                                                                                              |                                                |
| <b>Course requirements:</b>                                                                                                                                                                        |                                                |
| <b>Learning outcomes:</b>                                                                                                                                                                          |                                                |
| <b>Class syllabus:</b>                                                                                                                                                                             |                                                |
| <b>Recommended literature:</b>                                                                                                                                                                     |                                                |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |                                                |
| <b>Notes:</b>                                                                                                                                                                                      |                                                |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                                            |                                                |
| ABS                                                                                                                                                                                                | NEABS                                          |
| 0,0                                                                                                                                                                                                | 0,0                                            |
| <b>Lecturers:</b>                                                                                                                                                                                  |                                                |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |                                                |
| <b>Approved by:</b>                                                                                                                                                                                |                                                |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |                                                |
| <b>Faculty:</b>                                                                                                                                                                                    |                                                |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-312/10                                                                                                                                                          | <b>Course title:</b><br>Seminar in Science (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> 10                                                                                                                                                                       |                                                |
| <b>Recommended semester:</b> 5.                                                                                                                                                                    |                                                |
| <b>Educational level:</b> III.                                                                                                                                                                     |                                                |
| <b>Prerequisites:</b>                                                                                                                                                                              |                                                |
| <b>Course requirements:</b>                                                                                                                                                                        |                                                |
| <b>Learning outcomes:</b>                                                                                                                                                                          |                                                |
| <b>Class syllabus:</b>                                                                                                                                                                             |                                                |
| <b>Recommended literature:</b>                                                                                                                                                                     |                                                |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |                                                |
| <b>Notes:</b>                                                                                                                                                                                      |                                                |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                                            |                                                |
| ABS                                                                                                                                                                                                | NEABS                                          |
| 0,0                                                                                                                                                                                                | 0,0                                            |
| <b>Lecturers:</b>                                                                                                                                                                                  |                                                |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |                                                |
| <b>Approved by:</b>                                                                                                                                                                                |                                                |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |                                                |
| <b>Faculty:</b>                                                                                                                                                                                    |                                                |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-313/10                                                                                                                                                          | <b>Course title:</b><br>Seminar in Science (6) |
| <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> 10                                                                                                                                                                       |                                                |
| <b>Recommended semester:</b> 6.                                                                                                                                                                    |                                                |
| <b>Educational level:</b> III.                                                                                                                                                                     |                                                |
| <b>Prerequisites:</b>                                                                                                                                                                              |                                                |
| <b>Course requirements:</b>                                                                                                                                                                        |                                                |
| <b>Learning outcomes:</b>                                                                                                                                                                          |                                                |
| <b>Class syllabus:</b>                                                                                                                                                                             |                                                |
| <b>Recommended literature:</b>                                                                                                                                                                     |                                                |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |                                                |
| <b>Notes:</b>                                                                                                                                                                                      |                                                |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                                            |                                                |
| ABS                                                                                                                                                                                                | NEABS                                          |
| 0,0                                                                                                                                                                                                | 0,0                                            |
| <b>Lecturers:</b>                                                                                                                                                                                  |                                                |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |                                                |
| <b>Approved by:</b>                                                                                                                                                                                |                                                |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |                                                |
| <b>Faculty:</b>                                                                                                                                                                                    |                                                |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-314/10                                                                                                                                                          | <b>Course title:</b><br>Seminar in Science (7) |
| <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> 10                                                                                                                                                                       |                                                |
| <b>Recommended semester:</b> 7.                                                                                                                                                                    |                                                |
| <b>Educational level:</b> III.                                                                                                                                                                     |                                                |
| <b>Prerequisites:</b>                                                                                                                                                                              |                                                |
| <b>Course requirements:</b>                                                                                                                                                                        |                                                |
| <b>Learning outcomes:</b>                                                                                                                                                                          |                                                |
| <b>Class syllabus:</b>                                                                                                                                                                             |                                                |
| <b>Recommended literature:</b>                                                                                                                                                                     |                                                |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |                                                |
| <b>Notes:</b>                                                                                                                                                                                      |                                                |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                                            |                                                |
| ABS                                                                                                                                                                                                | NEABS                                          |
| 0,0                                                                                                                                                                                                | 0,0                                            |
| <b>Lecturers:</b>                                                                                                                                                                                  |                                                |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |                                                |
| <b>Approved by:</b>                                                                                                                                                                                |                                                |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                                        |                                             |
| <b>Faculty:</b>                                                                                                                                                                                             |                                             |
| <b>Course ID:</b><br>FMFL.KI/3-INF-120/15                                                                                                                                                                   | <b>Course title:</b><br>Study of Literature |
| <b>Educational activities:</b><br><b>Type of activities:</b> independent work<br><b>Number of hours:</b><br><b>per week:</b> 5 <b>per level/semester:</b> 70<br><b>Form of the course:</b> on-site learning |                                             |
| <b>Number of credits:</b> 4                                                                                                                                                                                 |                                             |
| <b>Recommended semester:</b>                                                                                                                                                                                |                                             |
| <b>Educational level:</b> III.                                                                                                                                                                              |                                             |
| <b>Prerequisites:</b>                                                                                                                                                                                       |                                             |
| <b>Course requirements:</b>                                                                                                                                                                                 |                                             |
| <b>Learning outcomes:</b>                                                                                                                                                                                   |                                             |
| <b>Class syllabus:</b>                                                                                                                                                                                      |                                             |
| <b>Recommended literature:</b>                                                                                                                                                                              |                                             |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                          |                                             |
| <b>Notes:</b>                                                                                                                                                                                               |                                             |
| <b>Past grade distribution</b><br>Total number of evaluated students: 19                                                                                                                                    |                                             |
| ABS                                                                                                                                                                                                         | NEABS                                       |
| 100,0                                                                                                                                                                                                       | 0,0                                         |
| <b>Lecturers:</b>                                                                                                                                                                                           |                                             |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                              |                                             |
| <b>Approved by:</b>                                                                                                                                                                                         |                                             |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                           |                                                   |
| <b>Faculty:</b>                                                                                                                                                                |                                                   |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-315/15                                                                                                                                      | <b>Course title:</b><br>Subject of Specialisation |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning |                                                   |
| <b>Number of credits:</b> 20                                                                                                                                                   |                                                   |
| <b>Recommended semester:</b> 2.                                                                                                                                                |                                                   |
| <b>Educational level:</b> III.                                                                                                                                                 |                                                   |
| <b>Prerequisites:</b>                                                                                                                                                          |                                                   |
| <b>Course requirements:</b>                                                                                                                                                    |                                                   |
| <b>Learning outcomes:</b>                                                                                                                                                      |                                                   |
| <b>Class syllabus:</b>                                                                                                                                                         |                                                   |
| <b>Recommended literature:</b>                                                                                                                                                 |                                                   |
| <b>Languages necessary to complete the course:</b>                                                                                                                             |                                                   |
| <b>Notes:</b>                                                                                                                                                                  |                                                   |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                        |                                                   |
| ABS                                                                                                                                                                            | NEABS                                             |
| 0,0                                                                                                                                                                            | 0,0                                               |
| <b>Lecturers:</b>                                                                                                                                                              |                                                   |
| <b>Last change:</b> 02.06.2015                                                                                                                                                 |                                                   |
| <b>Approved by:</b>                                                                                                                                                            |                                                   |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                             |                                             |
| <b>Faculty:</b>                                                                                                                                                                                  |                                             |
| <b>Course ID:</b><br>FMFL.KI/3-INF-803/15                                                                                                                                                        | <b>Course title:</b><br>Teaching Activities |
| <b>Educational activities:</b><br><b>Type of activities:</b> other<br><b>Number of hours:</b><br><b>per week:</b> 4 <b>per level/semester:</b> 56<br><b>Form of the course:</b> on-site learning |                                             |
| <b>Number of credits:</b> 6                                                                                                                                                                      |                                             |
| <b>Recommended semester:</b>                                                                                                                                                                     |                                             |
| <b>Educational level:</b> III.                                                                                                                                                                   |                                             |
| <b>Prerequisites:</b>                                                                                                                                                                            |                                             |
| <b>Course requirements:</b>                                                                                                                                                                      |                                             |
| <b>Learning outcomes:</b>                                                                                                                                                                        |                                             |
| <b>Class syllabus:</b>                                                                                                                                                                           |                                             |
| <b>Recommended literature:</b>                                                                                                                                                                   |                                             |
| <b>Languages necessary to complete the course:</b>                                                                                                                                               |                                             |
| <b>Notes:</b>                                                                                                                                                                                    |                                             |
| <b>Past grade distribution</b><br>Total number of evaluated students: 23                                                                                                                         |                                             |
| ABS                                                                                                                                                                                              | NEABS                                       |
| 100,0                                                                                                                                                                                            | 0,0                                         |
| <b>Lecturers:</b>                                                                                                                                                                                |                                             |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                   |                                             |
| <b>Approved by:</b>                                                                                                                                                                              |                                             |

## COURSE DESCRIPTION

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                               |                                                  |
| <b>Faculty:</b>                                                                                                                                                                                    |                                                  |
| <b>Course ID:</b><br>FMFL.KI/3-MDM-025/10                                                                                                                                                          | <b>Course title:</b><br>Topological Graph Theory |
| <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> 10                                                                                                                                                                       |                                                  |
| <b>Recommended semester:</b> 1.                                                                                                                                                                    |                                                  |
| <b>Educational level:</b> III.                                                                                                                                                                     |                                                  |
| <b>Prerequisites:</b>                                                                                                                                                                              |                                                  |
| <b>Course requirements:</b>                                                                                                                                                                        |                                                  |
| <b>Learning outcomes:</b>                                                                                                                                                                          |                                                  |
| <b>Class syllabus:</b>                                                                                                                                                                             |                                                  |
| <b>Recommended literature:</b>                                                                                                                                                                     |                                                  |
| <b>Languages necessary to complete the course:</b>                                                                                                                                                 |                                                  |
| <b>Notes:</b>                                                                                                                                                                                      |                                                  |
| <b>Past grade distribution</b><br>Total number of evaluated students: 0                                                                                                                            |                                                  |
| ABS                                                                                                                                                                                                | NEABS                                            |
| 0,0                                                                                                                                                                                                | 0,0                                              |
| <b>Lecturers:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                                |                                                  |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |                                                  |
| <b>Approved by:</b>                                                                                                                                                                                |                                                  |