

## Course descriptions

### TABLE OF CONTENTS

|                  |                                                                              |    |
|------------------|------------------------------------------------------------------------------|----|
| 1. 3-MDM-031/10  | Advanced Linear Algebra.....                                                 | 2  |
| 2. 3-MDM-029/10  | Algebraic Theory of Graphs.....                                              | 3  |
| 3. 3-MDM-028/10  | Algorithmics for Hard Problems.....                                          | 4  |
| 4. 3-MDM-027/10  | Classic Algebraic Structures.....                                            | 5  |
| 5. 3-MXX-101/15  | Course of English for PhD Studies (1).....                                   | 6  |
| 6. 3-MXX-102/15  | Course of English for PhD Studies (1).....                                   | 7  |
| 7. 3-MDM-950/15  | Dissertation Examination ( <b>state exam</b> ).....                          | 8  |
| 8. 3-MDM-990/15  | Dissertation Thesis ( <b>state exam</b> ).....                               | 9  |
| 9. 3-MDM-023/10  | Enumeration of Discrete Structures.....                                      | 10 |
| 10. 3-MDM-030/10 | Graph Theory Methods in Computer Science.....                                | 11 |
| 11. 3-INF-805/15 | Guidance of a Final Thesis or of a Project for the Students' Conference..... | 12 |
| 12. 3-INF-023/15 | Literature Monitoring and Processing.....                                    | 13 |
| 13. 3-INF-804/15 | Organisation of Science Events.....                                          | 14 |
| 14. 3-MDM-316/15 | PhD Students' Mobility.....                                                  | 15 |
| 15. 3-MDM-024/15 | Probabilistic Methods in Combinatorics.....                                  | 16 |
| 16. 3-MDM-301/10 | Research Work (1).....                                                       | 17 |
| 17. 3-MDM-302/10 | Research Work (2).....                                                       | 18 |
| 18. 3-MDM-303/10 | Research Work (3).....                                                       | 19 |
| 19. 3-MDM-304/15 | Research Work (4).....                                                       | 20 |
| 20. 3-MDM-305/10 | Research Work (5).....                                                       | 21 |
| 21. 3-MDM-306/10 | Research Work (6).....                                                       | 22 |
| 22. 3-MDM-307/10 | Research Work (7).....                                                       | 23 |
| 23. 3-MDM-034/10 | Selected Topics in Group Theory.....                                         | 24 |
| 24. 3-MDM-035/15 | Selected Topics in Modern Graph Theory.....                                  | 25 |
| 25. 3-MDM-308/10 | Seminar in Science (1).....                                                  | 26 |
| 26. 3-MDM-309/10 | Seminar in Science (2).....                                                  | 27 |
| 27. 3-MDM-310/10 | Seminar in Science (3).....                                                  | 28 |
| 28. 3-MDM-311/10 | Seminar in Science (4).....                                                  | 29 |
| 29. 3-MDM-312/10 | Seminar in Science (5).....                                                  | 30 |
| 30. 3-MDM-313/10 | Seminar in Science (6).....                                                  | 31 |
| 31. 3-MDM-314/10 | Seminar in Science (7).....                                                  | 32 |
| 32. 3-INF-120/15 | Study of Literature.....                                                     | 33 |
| 33. 3-MDM-315/15 | Subject of Specialisation.....                                               | 34 |
| 34. 3-INF-803/15 | Teaching Activities.....                                                     | 35 |
| 35. 3-MDM-025/10 | Topological Graph Theory.....                                                | 36 |

## 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                                                                                                                            |     |                                                 |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                               | D   | E   | FX  |
| 0,0                                                                                                                                                                                                | 0,0 | 0,0                                             | 0,0 | 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> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                              |     |                                                 |     |     |     |

## 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: 2                                                                                                                            |      |                                                    |     |     |     |
| A                                                                                                                                                                                                  | B    | C                                                  | D   | E   | FX  |
| 50,0                                                                                                                                                                                               | 50,0 | 0,0                                                | 0,0 | 0,0 | 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> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                              |      |                                                    |     |     |     |

## 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: 1                                                                                                                            |     |                                                        |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                      | D   | E   | FX  |
| 100,0                                                                                                                                                                                              | 0,0 | 0,0                                                    | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Pavol Ďuriš, CSc.                                                                                                                                                    |     |                                                        |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |     |                                                        |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                              |     |                                                        |     |     |     |

## 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                                                                                                                            |     |                                                      |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                    | D   | E   | FX  |
| 0,0                                                                                                                                                                                                | 0,0 | 0,0                                                  | 0,0 | 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> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                              |     |                                                      |     |     |     |

## 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: 50                                                                                                                                                 |     |                                                               |     |     |     |
| A                                                                                                                                                                                                                        | B   | C                                                             | D   | E   | FX  |
| 92,0                                                                                                                                                                                                                     | 2,0 | 0,0                                                           | 0,0 | 6,0 | 0,0 |
| <b>Lecturers:</b> PhDr. Alena Zemanová                                                                                                                                                                                   |     |                                                               |     |     |     |
| <b>Last change:</b> 22.02.2019                                                                                                                                                                                           |     |                                                               |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                                                    |     |                                                               |     |     |     |

## 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: 55                                                                                                                                                 |     |                                                               |     |     |     |
| A                                                                                                                                                                                                                        | B   | C                                                             | D   | E   | FX  |
| 100,0                                                                                                                                                                                                                    | 0,0 | 0,0                                                           | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> PhDr. Alena Zemanová                                                                                                                                                                                   |     |                                                               |     |     |     |
| <b>Last change:</b> 22.02.2019                                                                                                                                                                                           |     |                                                               |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                                                    |     |                                                               |     |     |     |

## 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> prof. RNDr. Martin Škoviera, PhD. |                                                  |



## 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> prof. RNDr. Martin Škoviera, PhD. |                                             |

## 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-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                                                                                                                            |     |                                                            |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                          | D   | E   | FX  |
| 0,0                                                                                                                                                                                                | 0,0 | 0,0                                                        | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Eduard Toman, CSc.                                                                                                                                                    |     |                                                            |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |     |                                                            |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                              |     |                                                            |     |     |     |

## 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-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: 3                                                                                                                            |     |                                                                  |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                                | D   | E   | FX  |
| 100,0                                                                                                                                                                                              | 0,0 | 0,0                                                              | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Rastislav Kráľovič, PhD.                                                                                                                                             |     |                                                                  |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |     |                                                                  |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                              |     |                                                                  |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                |     |                                                                                                 |     |     |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------------------|-----|-----|-----|
| <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: 24                                                                                                       |     |                                                                                                 |     |     |     |
| A                                                                                                                                                                              | B   | C                                                                                               | D   | E   | FX  |
| 100,0                                                                                                                                                                          | 0,0 | 0,0                                                                                             | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |                                                                                                 |     |     |     |
| <b>Last change:</b>                                                                                                                                                            |     |                                                                                                 |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                          |     |                                                                                                 |     |     |     |

## 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: 19                                                                                                                                      |      |                                                              |     |     |     |
| A                                                                                                                                                                                                             | B    | C                                                            | D   | E   | FX  |
| 94,74                                                                                                                                                                                                         | 5,26 | 0,0                                                          | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                                                             |      |                                                              |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                |      |                                                              |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                                         |      |                                                              |     |     |     |

## 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-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: 2                                                                                                        |     |                                                        |     |     |      |
| A                                                                                                                                                                              | B   | C                                                      | D   | E   | FX   |
| 50,0                                                                                                                                                                           | 0,0 | 0,0                                                    | 0,0 | 0,0 | 50,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |                                                        |     |     |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                 |     |                                                        |     |     |      |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                          |     |                                                        |     |     |      |

## 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                                                                                                        |     |                                                |     |     |     |
| A                                                                                                                                                                              | B   | C                                              | D   | E   | FX  |
| 0,0                                                                                                                                                                            | 0,0 | 0,0                                            | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Róbert Jajcay, DrSc.                                                                                                                              |     |                                                |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                 |     |                                                |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                          |     |                                                |     |     |     |

## 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                                                                                                                            |     |                                                                |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                              | D   | E   | FX  |
| 0,0                                                                                                                                                                                                | 0,0 | 0,0                                                            | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Eduard Toman, CSc.                                                                                                                                                    |     |                                                                |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |     |                                                                |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                              |     |                                                                |     |     |     |



## 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: 2                                                                                                                                     |     |                                           |     |     |     |
| A                                                                                                                                                                                                           | B   | C                                         | D   | E   | FX  |
| 100,0                                                                                                                                                                                                       | 0,0 | 0,0                                       | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                                                           |     |                                           |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                              |     |                                           |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                                       |     |                                           |     |     |     |

## 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: 2                                                                                                                                     |     |                                           |     |     |     |
| A                                                                                                                                                                                                           | B   | C                                         | D   | E   | FX  |
| 100,0                                                                                                                                                                                                       | 0,0 | 0,0                                       | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                                                           |     |                                           |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                              |     |                                           |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                                       |     |                                           |     |     |     |

## 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: 2                                                                                                                              |      |                                           |     |     |     |
| A                                                                                                                                                                                                    | B    | C                                         | D   | E   | FX  |
| 50,0                                                                                                                                                                                                 | 50,0 | 0,0                                       | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                                                    |      |                                           |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                       |      |                                           |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                                |      |                                           |     |     |     |

## 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-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> FMFI.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: 3                                                                                                                                       |     |                                           |     |     |     |
| A                                                                                                                                                                                                             | B   | C                                         | D   | E   | FX  |
| 66,67                                                                                                                                                                                                         | 0,0 | 33,33                                     | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                                                             |     |                                           |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                |     |                                           |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                                         |     |                                           |     |     |     |

## 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-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: 2                                                                                                                                       |     |                                           |     |     |     |
| A                                                                                                                                                                                                             | B   | C                                         | D   | E   | FX  |
| 100,0                                                                                                                                                                                                         | 0,0 | 0,0                                       | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                                                             |     |                                           |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                |     |                                           |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                                         |     |                                           |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                               |     |                                           |     |     |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                          |     |                                           |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                               |     |                                           |     |     |     |
| <b>Course ID:</b><br>FMFI.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: 2                                                                                                                                       |     |                                           |     |     |     |
| A                                                                                                                                                                                                             | B   | C                                         | D   | E   | FX  |
| 100,0                                                                                                                                                                                                         | 0,0 | 0,0                                       | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                                                             |     |                                           |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                |     |                                           |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                                         |     |                                           |     |     |     |

## 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-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: 2                                                                                                                                       |     |                                           |     |     |     |
| A                                                                                                                                                                                                             | B   | C                                         | D   | E   | FX  |
| 100,0                                                                                                                                                                                                         | 0,0 | 0,0                                       | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                                                             |     |                                           |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                |     |                                           |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                                         |     |                                           |     |     |     |

## 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-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                                                                                                                            |     |                                                         |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                       | D   | E   | FX  |
| 0,0                                                                                                                                                                                                | 0,0 | 0,0                                                     | 0,0 | 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> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                              |     |                                                         |     |     |     |



## 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: 0                                                                                                                            |     |                                                                |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                              | D   | E   | FX  |
| 0,0                                                                                                                                                                                                | 0,0 | 0,0                                                            | 0,0 | 0,0 | 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> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                              |     |                                                                |     |     |     |

## 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: 2                                                                                                                            |     |                                                |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                              | D   | E   | FX  |
| 100,0                                                                                                                                                                                              | 0,0 | 0,0                                            | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                                                  |     |                                                |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |     |                                                |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                              |     |                                                |     |     |     |

## 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: 2                                                                                                                            |     |                                                |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                              | D   | E   | FX  |
| 100,0                                                                                                                                                                                              | 0,0 | 0,0                                            | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                                                  |     |                                                |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |     |                                                |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                              |     |                                                |     |     |     |

## 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: 2                                                                                                                            |     |                                                |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                              | D   | E   | FX  |
| 100,0                                                                                                                                                                                              | 0,0 | 0,0                                            | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                                                  |     |                                                |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |     |                                                |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                              |     |                                                |     |     |     |

## 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: 2                                                                                                                            |     |                                                |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                              | D   | E   | FX  |
| 100,0                                                                                                                                                                                              | 0,0 | 0,0                                            | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                                                  |     |                                                |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |     |                                                |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                              |     |                                                |     |     |     |

## 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: 2                                                                                                                            |     |                                                |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                              | D   | E   | FX  |
| 100,0                                                                                                                                                                                              | 0,0 | 0,0                                            | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                                                  |     |                                                |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |     |                                                |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                              |     |                                                |     |     |     |

## 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: 2                                                                                                                            |     |                                                |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                              | D   | E   | FX  |
| 100,0                                                                                                                                                                                              | 0,0 | 0,0                                            | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                                                  |     |                                                |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |     |                                                |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                              |     |                                                |     |     |     |

## 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: 2                                                                                                                            |     |                                                |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                              | D   | E   | FX  |
| 100,0                                                                                                                                                                                              | 0,0 | 0,0                                            | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                                                  |     |                                                |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |     |                                                |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                              |     |                                                |     |     |     |



## 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: 29                                                                                                                                    |      |                                             |     |     |      |
| A                                                                                                                                                                                                           | B    | C                                           | D   | E   | FX   |
| 93,1                                                                                                                                                                                                        | 3,45 | 0,0                                         | 0,0 | 0,0 | 3,45 |
| <b>Lecturers:</b>                                                                                                                                                                                           |      |                                             |     |     |      |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                              |      |                                             |     |     |      |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                                       |      |                                             |     |     |      |

## 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                                                                                                        |     |                                                   |     |     |     |
| A                                                                                                                                                                              | B   | C                                                 | D   | E   | FX  |
| 0,0                                                                                                                                                                            | 0,0 | 0,0                                               | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                              |     |                                                   |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                 |     |                                                   |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                          |     |                                                   |     |     |     |

## 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: 86                                                                                                                         |     |                                             |     |     |     |
| A                                                                                                                                                                                                | B   | C                                           | D   | E   | FX  |
| 100,0                                                                                                                                                                                            | 0,0 | 0,0                                         | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                                                |     |                                             |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                   |     |                                             |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                            |     |                                             |     |     |     |

## 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-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                                                                                                                            |     |                                                  |     |     |     |
| A                                                                                                                                                                                                  | B   | C                                                | D   | E   | FX  |
| 0,0                                                                                                                                                                                                | 0,0 | 0,0                                              | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                                |     |                                                  |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                     |     |                                                  |     |     |     |
| <b>Approved by:</b> prof. RNDr. Martin Škoviera, PhD.                                                                                                                                              |     |                                                  |     |     |     |