

## Course descriptions

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## COURSE DESCRIPTION

|  |     |  |     |     |     |
|--|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KEF/3-FOS-803/10   |     | <b>Course title:</b><br>BSc Thesis Supervision |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br>per week:   per level/semester:<br><b>Form of the course:</b> on-site learning, distance 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>  |     |  |     |     |     |
| <b>Last change:</b> 02.06.2015   |     |  |     |     |     |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.   |     |  |     |     |     |

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|   |     |   |     |     |     |
|---|-----|---|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |   |     |     |     |
| <b>Course ID:</b><br>FMFI.KAFZM/3-FFP-203/15  |     | <b>Course title:</b><br>Bio-medical Applications of Plasmas and Radiation |     |     |     |
| <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, distance 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: 6   |     |   |     |     |     |
| A   | B   | C   | D   | E   | FX  |
| 100,0   | 0,0 | 0,0   | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Zdenko Machala, PhD.   |     |   |     |     |     |
| <b>Last change:</b> 02.06.2015  |     |   |     |     |     |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.  |     |   |     |     |     |

## COURSE DESCRIPTION

|   |     |  |     |     |     |
|---|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KEF/3-FOS-501/15  |     | <b>Course title:</b><br>Completion of PhD Research Project Stage (1) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning, distance 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: 8   |     |  |     |     |     |
| 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. Pavel Veis, CSc.  |     |  |     |     |     |

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|  |     |  |     |     |     |
|--|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KEF/3-FOS-507/15   |     | <b>Course title:</b><br>Completion of PhD Research Project Stage (2) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b><br><b>Form of the course:</b> on-site learning, distance 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. Pavel Veis, CSc.   |     |  |     |     |     |

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|  |     |   |     |     |     |
|--|-----|---|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |   |     |     |     |
| <b>Course ID:</b><br>FMFI.KJP/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> 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: 27   |     |   |     |     |     |
| 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> 02.06.2015   |     |   |     |     |     |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.   |     |   |     |     |     |

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|  |     |   |     |     |     |
|--|-----|---|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |   |     |     |     |
| <b>Course ID:</b><br>FMFI.KJP/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> 2.  |     |   |     |     |     |
| <b>Educational level:</b> III.   |     |   |     |     |     |
| <b>Prerequisites:</b> FMFI.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: 38   |     |   |     |     |     |
| 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> 02.06.2015   |     |   |     |     |     |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.   |     |   |     |     |     |

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|---|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KEF/3-FOS-102/15  |     | <b>Course title:</b><br>Department Seminar (1) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning, distance 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: 23  |     |  |     |     |     |
| A   | B   | C  | D   | E   | FX  |
| 100,0   | 0,0 | 0,0  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Pavel Veis, CSc.  |     |  |     |     |     |
| <b>Last change:</b> 02.06.2015  |     |  |     |     |     |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.  |     |  |     |     |     |



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|   |     |  |     |     |     |
|---|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KEF/3-FOS-103/15  |     | <b>Course title:</b><br>Department Seminar (2) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning, distance 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: 18  |     |  |     |     |     |
| A   | B   | C  | D   | E   | FX  |
| 100,0   | 0,0 | 0,0  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Pavel Veis, CSc.  |     |  |     |     |     |
| <b>Last change:</b> 02.06.2015  |     |  |     |     |     |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.  |     |  |     |     |     |

## COURSE DESCRIPTION

|   |     |  |     |     |     |
|---|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KEF/3-FOS-104/15  |     | <b>Course title:</b><br>Department Seminar (3) |     |     |     |
| <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, distance 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: 14  |     |  |     |     |     |
| A   | B   | C  | D   | E   | FX  |
| 100,0   | 0,0 | 0,0  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Pavel Veis, CSc.  |     |  |     |     |     |
| <b>Last change:</b> 02.06.2015  |     |  |     |     |     |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.  |     |  |     |     |     |

## COURSE DESCRIPTION

|   |     |  |     |     |     |
|---|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |  |     |     |     |
| <b>Course ID:</b><br>FMFLKEF/3-FOS-105/15   |     | <b>Course title:</b><br>Department Seminar (4) |     |     |     |
| <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, distance learning |     |  |     |     |     |
| <b>Number of credits:</b> 5   |     |  |     |     |     |
| <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: 9   |     |  |     |     |     |
| A   | B   | C  | D   | E   | FX  |
| 100,0   | 0,0 | 0,0  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Pavel Veis, CSc.  |     |  |     |     |     |
| <b>Last change:</b> 02.06.2015  |     |  |     |     |     |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.  |     |  |     |     |     |

## COURSE DESCRIPTION

|   |     |  |     |     |     |
|---|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KEF/3-FOS-106/15  |     | <b>Course title:</b><br>Department Seminar (5) |     |     |     |
| <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, distance learning |     |  |     |     |     |
| <b>Number of credits:</b> 5   |     |  |     |     |     |
| <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: 3   |     |  |     |     |     |
| A   | B   | C  | D   | E   | FX  |
| 100,0   | 0,0 | 0,0  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Pavel Veis, CSc.  |     |  |     |     |     |
| <b>Last change:</b> 02.06.2015  |     |  |     |     |     |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.  |     |  |     |     |     |

## COURSE DESCRIPTION

|   |     |  |     |     |     |
|---|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |  |     |     |     |
| <b>Course ID:</b><br>FMFLKEF/3-FOS-107/15   |     | <b>Course title:</b><br>Department Seminar (6) |     |     |     |
| <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, distance learning |     |  |     |     |     |
| <b>Number of credits:</b> 5   |     |  |     |     |     |
| <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: 3   |     |  |     |     |     |
| A   | B   | C  | D   | E   | FX  |
| 100,0   | 0,0 | 0,0  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Pavel Veis, CSc.  |     |  |     |     |     |
| <b>Last change:</b> 02.06.2015  |     |  |     |     |     |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.  |     |  |     |     |     |

## COURSE DESCRIPTION

|   |     |  |     |     |     |
|---|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KEF/3-FOS-108/15  |     | <b>Course title:</b><br>Department Seminar (7) |     |     |     |
| <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, distance learning |     |  |     |     |     |
| <b>Number of credits:</b> 5   |     |  |     |     |     |
| <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: 4   |     |  |     |     |     |
| A   | B   | C  | D   | E   | FX  |
| 100,0   | 0,0 | 0,0  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Pavel Veis, CSc.  |     |  |     |     |     |
| <b>Last change:</b> 02.06.2015  |     |  |     |     |     |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.  |     |  |     |     |     |

## COURSE DESCRIPTION

|   |     |  |     |     |     |
|---|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KEF/3-FOS-109/15  |     | <b>Course title:</b><br>Department Seminar (8) |     |     |     |
| <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, distance learning |     |  |     |     |     |
| <b>Number of credits:</b> 5   |     |  |     |     |     |
| <b>Recommended semester:</b> 8.   |     |  |     |     |     |
| <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. Pavel Veis, CSc.  |     |  |     |     |     |
| <b>Last change:</b> 02.06.2015  |     |  |     |     |     |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.  |     |  |     |     |     |

## STATE EXAM DESCRIPTION

|   |   |
|---|---|
| <b>University:</b> Comenius University in Bratislava            |   |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics |   |
| <b>Course ID:</b><br>FMFL.KEF/3-FOS-990/15                      | <b>Course title:</b><br>Dissertation Thesis Defense |
| <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. Pavel Veis, CSc.                |   |



## COURSE DESCRIPTION

|  |      |  |     |     |     |
|--|------|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |      |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |      |  |     |     |     |
| <b>Course ID:</b><br>FMFI.KAFZM/3-FFP-001/00   |      | <b>Course title:</b><br>Experimental Vademecum |     |     |     |
| <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, distance 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><br>Measurement of RF and pulse current (Rogowski coil, frequency compensation of shunts, etc.). Compensation of parasitic capacitance currents. Measurement of RF and pulse voltage (voltage dividers and oscilloscope probes). Waves on coaxial cables (speed of propagation, characteristic impedance and impedance match). Measuring of tiny currents down to femtoampere (solid-state and vibrating reed electrometers, the noise behaviour).<br>Digital oscilloscopes, sampling oscilloscopes and image converter cameras. Evaluation of slowly changing signals (sampling and incremental amplifiers, and signal processing). Measuring of electrical quantities under extreme conditions (e.g. under high voltage), optoelectronic couplers. The principles of switching voltage regulator, current sources and current mirrors. Electromagnetic interference in experiments (RF interference, coupling paths, inductive coupling, filtering and proper grounding). Electrostatic and magnetic shielding. Rejecting of electrical noise by current loops. Transistor overload protection methods for switching applications (switching of inductive and capacitive reactance). |      |  |     |     |     |
| <b>Recommended literature:</b><br>Schwab A. J.: Hochspannungs Messtechnik, Messgeräte und Messverfahren, Springer-Verlag, Heidelberg 1981 (ruský preklad: Izmerenija na vysokom naprjaženii, Energoatomizdat, Moskva 1983).<br>Seifart M.: Analoge Schaltungen, VEB Verlag Technik, Berlin 1987.   |      |  |     |     |     |
| <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  |
| 89,47  | 5,26 | 5,26   | 0,0 | 0,0 | 0,0 |

|   |
|---|
| <b>Lecturers:</b> doc. RNDr. Karol Hensel, PhD., doc. RNDr. Mário Janda, PhD., doc. RNDr. Zdenko Machala, PhD., Mgr. Peter Čermák, PhD. |
| <b>Last change:</b> 02.06.2015  |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.  |

## COURSE DESCRIPTION

|  |     |  |     |     |     |
|--|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KEF/3-FOS-804/15   |     | <b>Course title:</b><br>Guidance of a Project for the Students' Conference |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br>per week:   per level/semester:<br><b>Form of the course:</b> on-site learning, distance learning |     |  |     |     |     |
| <b>Number of credits:</b> 7  |     |  |     |     |     |
| <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>  |     |  |     |     |     |
| <b>Last change:</b> 02.06.2015   |     |  |     |     |     |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.   |     |  |     |     |     |

## COURSE DESCRIPTION

|  |     |  |     |     |     |
|--|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |  |     |     |     |
| <b>Course ID:</b><br>FMFLKEF/3-FOS-703/10  |     | <b>Course title:</b><br>Home Project Co-researcher |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br>per week:   per level/semester:<br><b>Form of the course:</b> on-site learning, distance 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: 8  |     |  |     |     |     |
| 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. Pavel Veis, CSc.   |     |  |     |     |     |

## COURSE DESCRIPTION

|   |     |  |     |     |     |
|---|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |  |     |     |     |
| <b>Course ID:</b><br>FMFLKEF/3-FOS-101/15   |     | <b>Course title:</b><br>Individual Study of Science and Research Resources (1) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week: per level/semester:</b><br><b>Form of the course:</b> on-site learning, distance 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: 26  |     |  |     |     |     |
| 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. Pavel Veis, CSc.  |     |  |     |     |     |

## COURSE DESCRIPTION

|  |     |  |     |     |     |
|--|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |  |     |     |     |
| <b>Course ID:</b><br>FMFLKEF/3-FOS-111/15  |     | <b>Course title:</b><br>Individual Study of Science and Research Resources (2) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:    per level/semester:</b><br><b>Form of the course:</b> on-site learning, distance 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: 5  |     |  |     |     |     |
| 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. Pavel Veis, CSc.   |     |  |     |     |     |

## COURSE DESCRIPTION

|   |     |   |     |     |     |
|---|-----|---|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |   |     |     |     |
| <b>Course ID:</b><br>FMFLKEF/3-FOS-702/10   |     | <b>Course title:</b><br>International Project Co-researcher |     |     |     |
| <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, distance learning |     |   |     |     |     |
| <b>Number of credits:</b> 15  |     |   |     |     |     |
| <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: 5   |     |   |     |     |     |
| 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. Pavel Veis, CSc.  |     |   |     |     |     |

## COURSE DESCRIPTION

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|--|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |  |     |     |     |
| <b>Course ID:</b><br>FMFI.KEF/3-FOS-022/15   |     | <b>Course title:</b><br>Laser Processes and Chemical Reactions |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> course<br><b>Number of hours:</b><br><b>per week:</b> 2 <b>per level/semester:</b> 28<br><b>Form of the course:</b> on-site learning, distance learning |     |  |     |     |     |
| <b>Number of credits:</b> 5  |     |  |     |     |     |
| <b>Recommended semester:</b> 3.  |     |  |     |     |     |
| <b>Educational level:</b> III.   |     |  |     |     |     |
| <b>Prerequisites:</b>  |     |  |     |     |     |
| <b>Antirequisites:</b> FMFI.KEF/3-FOS-022/10   |     |  |     |     |     |
| <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: 4  |     |  |     |     |     |
| A  | B   | C  | D   | E   | FX  |
| 100,0  | 0,0 | 0,0  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Pavel Veis, CSc., Mgr. Peter Čermák, PhD., Mgr. Michaela Horňáčková, PhD.  |     |  |     |     |     |
| <b>Last change:</b> 02.06.2015   |     |  |     |     |     |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.   |     |  |     |     |     |



## COURSE DESCRIPTION

|   |      |  |     |     |     |
|---|------|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |      |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |      |  |     |     |     |
| <b>Course ID:</b><br>FMFLKEF/3-FOS-021/10   |      | <b>Course title:</b><br>Laser Spectroscopy |     |     |     |
| <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, distance 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: 16  |      |  |     |     |     |
| A   | B    | C  | D   | E   | FX  |
| 93,75   | 6,25 | 0,0  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Mário Janda, PhD., prof. RNDr. Pavel Veis, CSc.  |      |  |     |     |     |
| <b>Last change:</b> 02.06.2015  |      |  |     |     |     |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.  |      |  |     |     |     |

## COURSE DESCRIPTION

|   |     |   |     |     |     |
|---|-----|---|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |   |     |     |     |
| <b>Course ID:</b><br>FMFI.KEF/3-FOS-023/15  |     | <b>Course title:</b><br>New Trends in Laser Application in Surface Modification |     |     |     |
| <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, distance learning |     |   |     |     |     |
| <b>Number of credits:</b> 5   |     |   |     |     |     |
| <b>Recommended semester:</b> 4.   |     |   |     |     |     |
| <b>Educational level:</b> III.  |     |   |     |     |     |
| <b>Prerequisites:</b>   |     |   |     |     |     |
| <b>Antirequisites:</b> FMFI.KEF/3-FOS-023/10  |     |   |     |     |     |
| <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: 3   |     |   |     |     |     |
| A   | B   | C   | D   | E   | FX  |
| 100,0   | 0,0 | 0,0   | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Anna Zahoranová, PhD.  |     |   |     |     |     |
| <b>Last change:</b> 02.06.2015  |     |   |     |     |     |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.  |     |   |     |     |     |

## COURSE DESCRIPTION

|  |     |  |     |     |     |
|--|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |  |     |     |     |
| <b>Course ID:</b><br>FMFLKEF/3-FOS-701/10  |     | <b>Course title:</b><br>Obtaining a University Grant |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br>per week:   per level/semester:<br><b>Form of the course:</b> on-site learning, distance learning |     |  |     |     |     |
| <b>Number of credits:</b> 20   |     |  |     |     |     |
| <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: 15   |     |  |     |     |     |
| 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. Pavel Veis, CSc.   |     |  |     |     |     |

## COURSE DESCRIPTION

|   |       |  |     |     |     |
|---|-------|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |       |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |       |  |     |     |     |
| <b>Course ID:</b><br>FMFLKEF/3-FOS-024/10   |       | <b>Course title:</b><br>Optical Spectroscopy of Gases and Plasma |     |     |     |
| <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, distance 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: 17  |       |  |     |     |     |
| A   | B     | C  | D   | E   | FX  |
| 76,47   | 17,65 | 5,88   | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Pavel Veis, CSc.  |       |  |     |     |     |
| <b>Last change:</b> 02.06.2015  |       |  |     |     |     |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.  |       |  |     |     |     |

## STATE EXAM DESCRIPTION

|   |  |
|---|--|
| <b>University:</b> Comenius University in Bratislava            |  |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics |  |
| <b>Course ID:</b><br>FMFL.KEF/3-FOS-950/15                      | <b>Course title:</b><br>Passing 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. Pavel Veis, CSc.                |  |

## COURSE DESCRIPTION

|   |     |  |     |     |     |
|---|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |  |     |     |     |
| <b>Course ID:</b><br>FMFI.KEF/3-FOS-008/15  |     | <b>Course title:</b><br>Physics of Ultrashort Pulses |     |     |     |
| <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, distance learning |     |  |     |     |     |
| <b>Number of credits:</b> 5   |     |  |     |     |     |
| <b>Recommended semester:</b> 3.   |     |  |     |     |     |
| <b>Educational level:</b> III.  |     |  |     |     |     |
| <b>Prerequisites:</b>   |     |  |     |     |     |
| <b>Antirequisites:</b> FMFI.KEF/3-FOS-008/10  |     |  |     |     |     |
| <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: 13  |     |  |     |     |     |
| A   | B   | C  | D   | E   | FX  |
| 100,0   | 0,0 | 0,0  | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Mário Janda, PhD., Dr. rer. nat. Peter Šiffalovič, PhD.  |     |  |     |     |     |
| <b>Last change:</b> 02.06.2015  |     |  |     |     |     |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.  |     |  |     |     |     |

## COURSE DESCRIPTION

|  |     |   |     |     |     |
|--|-----|---|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |   |     |     |     |
| <b>Course ID:</b><br>FMFL.KEF/3-FOS-403/15   |     | <b>Course title:</b><br>Presentation at a Home Conference |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br>per week:   per level/semester:<br><b>Form of the course:</b> on-site learning, distance learning |     |   |     |     |     |
| <b>Number of credits:</b> 8  |     |   |     |     |     |
| <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>  |     |   |     |     |     |
| <b>Last change:</b> 02.06.2015   |     |   |     |     |     |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.   |     |   |     |     |     |

## COURSE DESCRIPTION

|   |     |  |     |     |     |
|---|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KEF/3-FOS-402/15  |     | <b>Course title:</b><br>Presentation at a Home Conference with International Participation |     |     |     |
| <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, distance 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: 7   |     |  |     |     |     |
| 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. Pavel Veis, CSc.  |     |  |     |     |     |



## COURSE DESCRIPTION

|  |     |   |     |     |     |
|--|-----|---|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |   |     |     |     |
| <b>Course ID:</b><br>FMFLKEF/3-FOS-401/10  |     | <b>Course title:</b><br>Presentation at an International Conference |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br>per week:   per level/semester:<br><b>Form of the course:</b> on-site learning, distance learning |     |   |     |     |     |
| <b>Number of credits:</b> 20   |     |   |     |     |     |
| <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: 32   |     |   |     |     |     |
| 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. Pavel Veis, CSc.   |     |   |     |     |     |

## COURSE DESCRIPTION

|  |     |  |     |     |     |
|--|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KEF/3-FOS-305/15   |     | <b>Course title:</b><br>Published Contribution to a Non-reviewed Almanac |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br>per week:   per level/semester:<br><b>Form of the course:</b> on-site learning, distance learning |     |  |     |     |     |
| <b>Number of credits:</b> 7  |     |  |     |     |     |
| <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: 8  |     |  |     |     |     |
| 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. Pavel Veis, CSc.   |     |  |     |     |     |

## COURSE DESCRIPTION

|   |     |  |     |     |     |
|---|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |  |     |     |     |
| <b>Course ID:</b><br>FMFI.KTFDF/3-FOS-007/15  |     | <b>Course title:</b><br>Quantum Optics |     |     |     |
| <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, distance learning |     |  |     |     |     |
| <b>Number of credits:</b> 5   |     |  |     |     |     |
| <b>Recommended semester:</b> 2.   |     |  |     |     |     |
| <b>Educational level:</b> III.  |     |  |     |     |     |
| <b>Prerequisites:</b>   |     |  |     |     |     |
| <b>Antirequisites:</b> FMFI.KTFDF/3-FOS-007/10  |     |  |     |     |     |
| <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> prof. RNDr. Anna Dubníčková, DrSc., doc. RNDr. Tomáš Blažek, PhD.   |     |  |     |     |     |
| <b>Last change:</b> 02.06.2015  |     |  |     |     |     |
| <b>Approved by:</b> prof. RNDr. Pavel Veis, CSc.  |     |  |     |     |     |

## COURSE DESCRIPTION

|   |     |   |     |     |     |
|---|-----|---|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |   |     |     |     |
| <b>Course ID:</b><br>FMFLKEF/3-FOS-704/10   |     | <b>Course title:</b><br>Quotation Registered in SCI or SCOPUS |     |     |     |
| <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, distance 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: 3   |     |   |     |     |     |
| 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. Pavel Veis, CSc.  |     |   |     |     |     |

## COURSE DESCRIPTION

|   |     |  |     |     |     |
|---|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava  |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics   |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KEF/3-FOS-302/15  |     | <b>Course title:</b><br>Science Thesis in a Current Contents-registered Periodical |     |     |     |
| <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, distance learning |     |  |     |     |     |
| <b>Number of credits:</b> 30  |     |  |     |     |     |
| <b>Recommended semester:</b>  |     |  |     |     |     |
| <b>Educational level:</b> III.  |     |  |     |     |     |
| <b>Prerequisites:</b>   |     |  |     |     |     |
| <b>Course requirements:</b>   |     |  |     |     |     |
| <b>Learning outcomes:</b>   |     |  |     |     |     |
| <b>Class syllabus:</b>  |     |  |     |     |     |
| <b>Recommended literature:</b>  |     |  |     |     |     |
| <b>Languages necessary to complete the course:</b>  |     |  |     |     |     |
| <b>Notes:</b>   |     |  |     |     |     |
| <b>Past grade distribution</b><br>Total number of evaluated students: 6   |     |  |     |     |     |
| 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. Pavel Veis, CSc.  |     |  |     |     |     |

## COURSE DESCRIPTION

|  |     |   |     |     |     |
|--|-----|---|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |   |     |     |     |
| <b>Course ID:</b><br>FMFLKEF/3-FOS-304/15  |     | <b>Course title:</b><br>Science Thesis in a Foreign Reviewed Periodical (Almanac) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b><br><b>Form of the course:</b> on-site learning, distance learning |     |   |     |     |     |
| <b>Number of credits:</b> 20   |     |   |     |     |     |
| <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  |
| 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. Pavel Veis, CSc.   |     |   |     |     |     |

## COURSE DESCRIPTION

|  |     |   |     |     |     |
|--|-----|---|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |   |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |   |     |     |     |
| <b>Course ID:</b><br>FMFL.KEF/3-FOS-303/15   |     | <b>Course title:</b><br>Science Thesis in a Reviewed Periodical (Almanac) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br>per week:   per level/semester:<br><b>Form of the course:</b> on-site learning, distance learning |     |   |     |     |     |
| <b>Number of credits:</b> 15   |     |   |     |     |     |
| <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: 4  |     |   |     |     |     |
| 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. Pavel Veis, CSc.   |     |   |     |     |     |

## COURSE DESCRIPTION

|  |     |  |     |     |     |
|--|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KEF/3-FOS-301/15   |     | <b>Course title:</b><br>Science Thesis in an A-category Periodical |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br>per week:   per level/semester:<br><b>Form of the course:</b> on-site learning, distance learning |     |  |     |     |     |
| <b>Number of credits:</b> 35   |     |  |     |     |     |
| <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: 13   |     |  |     |     |     |
| 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. Pavel Veis, CSc.   |     |  |     |     |     |



## COURSE DESCRIPTION

|  |     |  |     |     |     |
|--|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |  |     |     |     |
| <b>Course ID:</b><br>FMFLKEF/3-FOS-801/15  |     | <b>Course title:</b><br>Supervising and Demonstrating Work (1) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b><br><b>Form of the course:</b> on-site learning, distance learning |     |  |     |     |     |
| <b>Number of credits:</b> 4  |     |  |     |     |     |
| <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: 22   |     |  |     |     |     |
| 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. Pavel Veis, CSc.   |     |  |     |     |     |

## COURSE DESCRIPTION

|  |     |  |     |     |     |
|--|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |  |     |     |     |
| <b>Course ID:</b><br>FMFI.KEF/3-FOS-802/15   |     | <b>Course title:</b><br>Supervising and Demonstrating Work (2) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b><br><b>Form of the course:</b> on-site learning, distance learning |     |  |     |     |     |
| <b>Number of credits:</b> 4  |     |  |     |     |     |
| <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: 22   |     |  |     |     |     |
| 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. Pavel Veis, CSc.   |     |  |     |     |     |

## COURSE DESCRIPTION

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|--|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |  |     |     |     |
| <b>Course ID:</b><br>FMFLKEF/3-FOS-811/15  |     | <b>Course title:</b><br>Supervising and Demonstrating Work (3) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b><br><b>Form of the course:</b> on-site learning, distance learning |     |  |     |     |     |
| <b>Number of credits:</b> 4  |     |  |     |     |     |
| <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. Pavel Veis, CSc.   |     |  |     |     |     |

## COURSE DESCRIPTION

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|--|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |  |     |     |     |
| <b>Course ID:</b><br>FMFL.KEF/3-FOS-812/15   |     | <b>Course title:</b><br>Supervising and Demonstrating Work (4) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br><b>per week:</b> <b>per level/semester:</b><br><b>Form of the course:</b> on-site learning, distance learning |     |  |     |     |     |
| <b>Number of credits:</b> 4  |     |  |     |     |     |
| <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. Pavel Veis, CSc.   |     |  |     |     |     |

## COURSE DESCRIPTION

|  |     |  |     |     |     |
|--|-----|--|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava   |     |  |     |     |     |
| <b>Faculty:</b> Faculty of Mathematics, Physics and Informatics  |     |  |     |     |     |
| <b>Course ID:</b><br>FMFLKEF/3-FOS-808/10  |     | <b>Course title:</b><br>Writing Diploma Thesis Assessment Protocol |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b><br><b>Number of hours:</b><br>per week:   per level/semester:<br><b>Form of the course:</b> on-site learning, distance 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: 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. Pavel Veis, CSc.   |     |  |     |     |     |