

## Course descriptions

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## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-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><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: 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. Peter Babinec, CSc.                                                                                                                                               |     |                                                |     |     |     |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                                                                                                                                                                                            |     |                                                            |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                                                                                                                                                                                                                                 |     |                                                            |     |     |     |
| <b>Course ID:</b><br>FMFL.KAFZM/3-FMK-005/00                                                                                                                                                                                                                                                                                                                                                                    |     | <b>Course title:</b><br>Boundary Atmospheric Layer Physics |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 3 <b>per level/semester:</b> 42<br><b>Form of the course:</b> on-site learning, distance learning                                                                                                                                                                                           |     |                                                            |     |     |     |
| <b>Number of credits:</b> 6                                                                                                                                                                                                                                                                                                                                                                                     |     |                                                            |     |     |     |
| <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><br>Turbulent state of the atmosphere, the vertical profiles of some meteorological elements in the boundary and surface atmospheric layers, model computation of the energy balance components, motion equations for average input parameters.<br>Outline covers generally whole contemporary scope of this lecture. Choice from given themes make supervisor in compliance with thesis. |     |                                                            |     |     |     |
| <b>Recommended literature:</b><br>Tomlain, J., Damborská I.: Fyzika hraničnej vrstvy atmosféry. Univerzita Komenského, Bratislava 1999, 132 s.<br>Bednář J., Zikmunda, O.: Fyzika mezní vrstvy atmosféry. Academia, Praha 1985, 248 s.<br>Journal „Boundary Layer Meteorology“<br>Contributions in the foreign special and scientific journals                                                                  |     |                                                            |     |     |     |
| <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> doc. RNDr. Martin Gera, PhD., RNDr. Ingrid Damborská, CSc.                                                                                                                                                                                                                                                                                                                                    |     |                                                            |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                                                                                                                                                                                                  |     |                                                            |     |     |     |
| <b>Approved by:</b> prof. RNDr. Peter Babinec, CSc.                                                                                                                                                                                                                                                                                                                                                             |     |                                                            |     |     |     |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                  |      |                                                                   |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                                       |      |                                                                   |     |     |     |
| <b>Course ID:</b><br>FMFI.KAFZM/3-FEN-009/15                                                                                                                                                                          |      | <b>Course title:</b><br>Chemical Pollution of Air, Water and Soil |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> lecture<br><b>Number of hours:</b><br><b>per week:</b> 3 <b>per level/semester:</b> 42<br><b>Form of the course:</b> on-site learning, distance learning |      |                                                                   |     |     |     |
| <b>Number of credits:</b> 8                                                                                                                                                                                           |      |                                                                   |     |     |     |
| <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: 4                                                                                                                                               |      |                                                                   |     |     |     |
| A                                                                                                                                                                                                                     | B    | C                                                                 | D   | E   | FX  |
| 50,0                                                                                                                                                                                                                  | 50,0 | 0,0                                                               | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Zdenko Machala, PhD., RNDr. Martin Kremler, PhD.                                                                                                                                         |      |                                                                   |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                        |      |                                                                   |     |     |     |
| <b>Approved by:</b> prof. RNDr. Peter Babinec, CSc.                                                                                                                                                                   |      |                                                                   |     |     |     |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                     |     |                                                                       |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                                                          |     |                                                                       |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-003/10                                                                                                                                                                                              |     | <b>Course title:</b><br>Climate Change, Their Causes and Consequences |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar / lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 28 / 28<br><b>Form of the course:</b> on-site learning, 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: 3                                                                                                                                                                  |     |                                                                       |     |     |     |
| A                                                                                                                                                                                                                                        | B   | C                                                                     | D   | E   | FX  |
| 100,0                                                                                                                                                                                                                                    | 0,0 | 0,0                                                                   | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Milan Lapin, CSc.                                                                                                                                                                                          |     |                                                                       |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                           |     |                                                                       |     |     |     |
| <b>Approved by:</b> prof. RNDr. Peter Babinec, CSc.                                                                                                                                                                                      |     |                                                                       |     |     |     |

## 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> 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: 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. Peter Babinec, CSc.                                                                                                                                                                      |     |                                                               |     |     |     |

## COURSE DESCRIPTION

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                     |     |                                                               |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                                          |     |                                                               |     |     |     |
| <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: 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. Peter Babinec, CSc.                                                                                                                                                                      |     |                                                               |     |     |     |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                  |     |                                                |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                                       |     |                                                |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-203/10                                                                                                                                                                           |     | <b>Course title:</b><br>Department Seminar (1) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 <b>per level/semester:</b> 14<br><b>Form of the course:</b> on-site learning, 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: 9                                                                                                                                               |     |                                                |     |     |     |
| 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. Peter Babinec, CSc.                                                                                                                                                                   |     |                                                |     |     |     |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                  |     |                                                |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                                       |     |                                                |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-204/10                                                                                                                                                                           |     | <b>Course title:</b><br>Department Seminar (2) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 <b>per level/semester:</b> 14<br><b>Form of the course:</b> on-site learning, 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: 9                                                                                                                                               |     |                                                |     |     |     |
| 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. Peter Babinec, CSc.                                                                                                                                                                   |     |                                                |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                       |     |                                                |     |     |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                  |     |                                                |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                                       |     |                                                |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-205/10                                                                                                                                                                           |     | <b>Course title:</b><br>Department Seminar (3) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 <b>per level/semester:</b> 14<br><b>Form of the course:</b> on-site learning, 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: 12                                                                                                                                              |     |                                                |     |     |     |
| 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. Peter Babinec, CSc.                                                                                                                                                                   |     |                                                |     |     |     |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                  |     |                                                |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                                       |     |                                                |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-206/10                                                                                                                                                                           |     | <b>Course title:</b><br>Department Seminar (4) |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar<br><b>Number of hours:</b><br><b>per week:</b> 1 <b>per level/semester:</b> 14<br><b>Form of the course:</b> on-site learning, 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: 10                                                                                                                                              |     |                                                |     |     |     |
| 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. Peter Babinec, CSc.                                                                                                                                                                   |     |                                                |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                                                       |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                                                       |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-705/10                                                                                                                                                       |     | <b>Course title:</b><br>Development of Novel Software Product Linked with PhD Project |     |     |     |
| <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: 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. Peter Babinec, CSc.                                                                                                                                               |     |                                                                                       |     |     |     |

## STATE EXAM DESCRIPTION

|                                                      |                                                     |
|------------------------------------------------------|-----------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava |                                                     |
| <b>Faculty:</b>                                      |                                                     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-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. Peter Babinec, CSc.  |                                                     |

## COURSE DESCRIPTION

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                  |     |                                                          |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                                       |     |                                                          |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-008/15                                                                                                                                                                           |     | <b>Course title:</b><br>Energy Resources and Environment |     |     |     |
| <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> 6                                                                                                                                                                                           |     |                                                          |     |     |     |
| <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: 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 Povinec, DrSc., doc. RNDr. Jaroslav Staníček, PhD., RNDr. Alexander Šivo, PhD.                                                                                                    |     |                                                          |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                        |     |                                                          |     |     |     |
| <b>Approved by:</b> prof. RNDr. Peter Babinec, CSc.                                                                                                                                                                   |     |                                                          |     |     |     |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                     |     |                                                        |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                                                          |     |                                                        |     |     |     |
| <b>Course ID:</b><br>FMFI.KJFB/3-FEN-011/15                                                                                                                                                                                              |     | <b>Course title:</b><br>English Seminar on Environment |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar / lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 / 1 <b>per level/semester:</b> 28 / 14<br><b>Form of the course:</b> on-site learning, 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: 1                                                                                                                                                                  |     |                                                        |     |     |     |
| A                                                                                                                                                                                                                                        | B   | C                                                      | D   | E   | FX  |
| 100,0                                                                                                                                                                                                                                    | 0,0 | 0,0                                                    | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Jozef Masarik, DrSc., prof. RNDr. Pavel Povinec, DrSc.                                                                                                                                                     |     |                                                        |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                           |     |                                                        |     |     |     |
| <b>Approved by:</b> prof. RNDr. Peter Babinec, CSc.                                                                                                                                                                                      |     |                                                        |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                                                          |     |                                                  |     |     |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                     |     |                                                  |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                                                          |     |                                                  |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-013/15                                                                                                                                                                                              |     | <b>Course title:</b><br>Environmental Biophysics |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar / lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 28 / 28<br><b>Form of the course:</b> on-site learning, 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: 1                                                                                                                                                                  |     |                                                  |     |     |     |
| A                                                                                                                                                                                                                                        | B   | C                                                | D   | E   | FX  |
| 100,0                                                                                                                                                                                                                                    | 0,0 | 0,0                                              | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Melánia Babincová, DrSc.                                                                                                                                                                                   |     |                                                  |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                           |     |                                                  |     |     |     |
| <b>Approved by:</b> prof. RNDr. Peter Babinec, CSc.                                                                                                                                                                                      |     |                                                  |     |     |     |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                     |     |                                                            |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                                                          |     |                                                            |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-002/10                                                                                                                                                                                              |     | <b>Course title:</b><br>Environmental Systems Interactions |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar / lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 28 / 28<br><b>Form of the course:</b> on-site learning, 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: 4                                                                                                                                                                  |     |                                                            |     |     |     |
| A                                                                                                                                                                                                                                        | B   | C                                                          | D   | E   | FX  |
| 100,0                                                                                                                                                                                                                                    | 0,0 | 0,0                                                        | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Jaroslav Staníček, PhD., doc. RNDr. Ivan Sýkora, PhD.                                                                                                                                                       |     |                                                            |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                           |     |                                                            |     |     |     |
| <b>Approved by:</b> prof. RNDr. Peter Babinec, CSc.                                                                                                                                                                                      |     |                                                            |     |     |     |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                     |     |                                                                       |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                                                          |     |                                                                       |     |     |     |
| <b>Course ID:</b><br>FMFI.KJFB/3-FEN-004/15                                                                                                                                                                                              |     | <b>Course title:</b><br>Experimental Methods in Environmental Physics |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar / lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 28 / 28<br><b>Form of the course:</b> on-site learning, 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: 2                                                                                                                                                                  |     |                                                                       |     |     |     |
| A                                                                                                                                                                                                                                        | B   | C                                                                     | D   | E   | FX  |
| 100,0                                                                                                                                                                                                                                    | 0,0 | 0,0                                                                   | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Karol Holý, CSc., doc. RNDr. Ivan Sýkora, PhD.                                                                                                                                                              |     |                                                                       |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                           |     |                                                                       |     |     |     |
| <b>Approved by:</b> prof. RNDr. Peter Babinec, CSc.                                                                                                                                                                                      |     |                                                                       |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                    |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                    |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-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><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: 11                                                                                                                          |     |                                                    |     |     |     |
| 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. Peter Babinec, CSc.                                                                                                                                               |     |                                                    |     |     |     |

## COURSE DESCRIPTION

|                                                                                                                                                                                                   |     |                                                  |     |     |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                  |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                  |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-301/10                                                                                                                                                       |     | <b>Course title:</b><br>Independent Research (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: 11                                                                                                                          |     |                                                  |     |     |     |
| 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. Peter Babinec, CSc.                                                                                                                                               |     |                                                  |     |     |     |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |      |                                                  |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |      |                                                  |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-302/10                                                                                                                                                       |      | <b>Course title:</b><br>Independent Research (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: 12                                                                                                                          |      |                                                  |     |     |     |
| A                                                                                                                                                                                                 | B    | C                                                | D   | E   | FX  |
| 91,67                                                                                                                                                                                             | 8,33 | 0,0                                              | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b>                                                                                                                                                                                 |      |                                                  |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |      |                                                  |     |     |     |
| <b>Approved by:</b> prof. RNDr. Peter Babinec, CSc.                                                                                                                                               |      |                                                  |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                  |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                  |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-303/10                                                                                                                                                       |     | <b>Course title:</b><br>Independent Research (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> 10                                                                                                                                                                      |     |                                                  |     |     |     |
| <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: 9                                                                                                                           |     |                                                  |     |     |     |
| 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. Peter Babinec, CSc.                                                                                                                                               |     |                                                  |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                  |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                  |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-304/10                                                                                                                                                       |     | <b>Course title:</b><br>Independent Research (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> 15                                                                                                                                                                      |     |                                                  |     |     |     |
| <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>                                                                                                                                                                                 |     |                                                  |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                    |     |                                                  |     |     |     |
| <b>Approved by:</b> prof. RNDr. Peter Babinec, CSc.                                                                                                                                               |     |                                                  |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                  |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                  |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-305/10                                                                                                                                                       |     | <b>Course title:</b><br>Independent Research (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> 15                                                                                                                                                                      |     |                                                  |     |     |     |
| <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: 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. Peter Babinec, CSc.                                                                                                                                               |     |                                                  |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                  |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                  |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-306/10                                                                                                                                                       |     | <b>Course title:</b><br>Independent Research (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> 15                                                                                                                                                                      |     |                                                  |     |     |     |
| <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: 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. Peter Babinec, CSc.                                                                                                                                               |     |                                                  |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                  |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                  |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-307/10                                                                                                                                                       |     | <b>Course title:</b><br>Independent Research (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> 15                                                                                                                                                                      |     |                                                  |     |     |     |
| <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: 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. Peter Babinec, CSc.                                                                                                                                               |     |                                                  |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                                                |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                                                |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-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> 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: 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. Peter Babinec, CSc.                                                                                                                                               |     |                                                                                |     |     |     |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                                                |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                                                |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-102/15                                                                                                                                                       |     | <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> 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: 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. Peter Babinec, CSc.                                                                                                                                               |     |                                                                                |     |     |     |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                                                |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                                                |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-103/15                                                                                                                                                       |     | <b>Course title:</b><br>Individual Study of Science and Research Resources (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: 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. Peter Babinec, CSc.                                                                                                                                               |     |                                                                                |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                                                |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                                                |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-104/15                                                                                                                                                       |     | <b>Course title:</b><br>Individual Study of Science and Research Resources (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: 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. Peter Babinec, CSc.                                                                                                                                               |     |                                                                                |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                             |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                             |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-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> 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: 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. Peter Babinec, CSc.                                                                                                                                               |     |                                                             |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                                                           |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                                                           |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-704/10                                                                                                                                                       |     | <b>Course title:</b><br>Introduction of Novel Experimental Method Linked with PhD Project |     |     |     |
| <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: 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. Peter Babinec, CSc.                                                                                                                                               |     |                                                                                           |     |     |     |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                     |     |                                                                                    |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                                                          |     |                                                                                    |     |     |     |
| <b>Course ID:</b><br>FMFI.KJFB/3-FEN-006/10                                                                                                                                                                                              |     | <b>Course title:</b><br>Isotopic Technologies and Tracers in Environmental Studies |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar / lecture<br><b>Number of hours:</b><br><b>per week:</b> 3 / 1 <b>per level/semester:</b> 42 / 14<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: 4                                                                                                                                                                  |     |                                                                                    |     |     |     |
| A                                                                                                                                                                                                                                        | B   | C                                                                                  | D   | E   | FX  |
| 100,0                                                                                                                                                                                                                                    | 0,0 | 0,0                                                                                | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Karol Holý, CSc., RNDr. Martin Bulko, PhD.                                                                                                                                                                  |     |                                                                                    |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                           |     |                                                                                    |     |     |     |
| <b>Approved by:</b> prof. RNDr. Peter Babinec, CSc.                                                                                                                                                                                      |     |                                                                                    |     |     |     |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                     |     |                                                            |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                                                          |     |                                                            |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-001/10                                                                                                                                                                                              |     | <b>Course title:</b><br>Modelling in Environmental Physics |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar / lecture<br><b>Number of hours:</b><br><b>per week:</b> 1 / 3 <b>per level/semester:</b> 14 / 42<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: 2                                                                                                                                                                  |     |                                                            |     |     |     |
| A                                                                                                                                                                                                                                        | B   | C                                                          | D   | E   | FX  |
| 100,0                                                                                                                                                                                                                                    | 0,0 | 0,0                                                        | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Jozef Masarik, DrSc.                                                                                                                                                                                       |     |                                                            |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                           |     |                                                            |     |     |     |
| <b>Approved by:</b> prof. RNDr. Peter Babinec, CSc.                                                                                                                                                                                      |     |                                                            |     |     |     |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                     |     |                                                                   |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                                                          |     |                                                                   |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-007/10                                                                                                                                                                                              |     | <b>Course title:</b><br>Nanotechnologies in Environmental Physics |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar / lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 / 2 <b>per level/semester:</b> 28 / 28<br><b>Form of the course:</b> on-site learning, 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: 0                                                                                                                                                                  |     |                                                                   |     |     |     |
| A                                                                                                                                                                                                                                        | B   | C                                                                 | D   | E   | FX  |
| 0,0                                                                                                                                                                                                                                      | 0,0 | 0,0                                                               | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> prof. RNDr. Peter Babinec, CSc.                                                                                                                                                                                        |     |                                                                   |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                           |     |                                                                   |     |     |     |
| <b>Approved by:</b> prof. RNDr. Peter Babinec, CSc.                                                                                                                                                                                      |     |                                                                   |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                      |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                      |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-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><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: 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. Peter Babinec, CSc.                                                                                                                                               |     |                                                      |     |     |     |

## STATE EXAM DESCRIPTION

|                                                      |                                                          |
|------------------------------------------------------|----------------------------------------------------------|
| <b>University:</b> Comenius University in Bratislava |                                                          |
| <b>Faculty:</b>                                      |                                                          |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-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. Peter Babinec, CSc.  |                                                          |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                           |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                           |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-502/10                                                                                                                                                       |     | <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><b>per week: per level/semester:</b><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: 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. Peter Babinec, CSc.                                                                                                                                               |     |                                                           |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                                     |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                                     |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-501/10                                                                                                                                                       |     | <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><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. Peter Babinec, CSc.                                                                                                                                               |     |                                                                     |     |     |     |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                     |       |                                                           |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                                                          |       |                                                           |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-010/10                                                                                                                                                                                              |       | <b>Course title:</b><br>Preservation of Total Environment |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar / lecture<br><b>Number of hours:</b><br><b>per week:</b> 2 / 1 <b>per level/semester:</b> 28 / 14<br><b>Form of the course:</b> on-site learning, distance learning |       |                                                           |     |     |     |
| <b>Number of credits:</b> 8                                                                                                                                                                                                              |       |                                                           |     |     |     |
| <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: 7                                                                                                                                                                  |       |                                                           |     |     |     |
| A                                                                                                                                                                                                                                        | B     | C                                                         | D   | E   | FX  |
| 85,71                                                                                                                                                                                                                                    | 14,29 | 0,0                                                       | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> doc. RNDr. Karol Hensel, PhD., Ing. Jakub Kaizer, PhD.                                                                                                                                                                 |       |                                                           |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                           |       |                                                           |     |     |     |
| <b>Approved by:</b> prof. RNDr. Peter Babinec, CSc.                                                                                                                                                                                      |       |                                                           |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                              |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                              |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-409/15                                                                                                                                                       |     | <b>Course title:</b><br>Publication in a Reviewed 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> 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. Peter Babinec, CSc.                                                                                                                                               |     |                                                              |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                                 |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                                 |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-408/15                                                                                                                                                       |     | <b>Course title:</b><br>Publication in an A-category 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: 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. Peter Babinec, CSc.                                                                                                                                               |     |                                                                 |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                                      |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                                      |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-410/15                                                                                                                                                       |     | <b>Course title:</b><br>Response to a o1 and o2 Category Publication |     |     |     |
| <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> 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: 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. Peter Babinec, CSc.                                                                                                                                               |     |                                                                      |     |     |     |

## COURSE DESCRIPTION

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                     |     |                                                         |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                                                          |     |                                                         |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-005/10                                                                                                                                                                                              |     | <b>Course title:</b><br>Satellite Research of the Earth |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> seminar / lecture<br><b>Number of hours:</b><br><b>per week:</b> 1 / 2 <b>per level/semester:</b> 14 / 28<br><b>Form of the course:</b> on-site learning, distance learning |     |                                                         |     |     |     |
| <b>Number of credits:</b> 8                                                                                                                                                                                                              |     |                                                         |     |     |     |
| <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> Mgr. Marián Jurášek                                                                                                                                                                                                    |     |                                                         |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                           |     |                                                         |     |     |     |
| <b>Approved by:</b> prof. RNDr. Peter Babinec, CSc.                                                                                                                                                                                      |     |                                                         |     |     |     |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                                |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                                |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-801/10                                                                                                                                                       |     | <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: 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>                                                                                                                                                                      |     |                                                                |     |     |     |
| <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. Peter Babinec, CSc.                                                                                                                                               |     |                                                                |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                                |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                                |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-802/10                                                                                                                                                       |     | <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: 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>                                                                                                                                                                      |     |                                                                |     |     |     |
| <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. Peter Babinec, CSc.                                                                                                                                               |     |                                                                |     |     |     |

## COURSE DESCRIPTION

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| <b>University:</b> Comenius University in Bratislava                                                                                                                                                                                                   |     |                                                                       |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                                                                        |     |                                                                       |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-012/15                                                                                                                                                                                                            |     | <b>Course title:</b><br>Use of Accelerators in Environmental Research |     |     |     |
| <b>Educational activities:</b><br><b>Type of activities:</b> laboratory practicals / lecture<br><b>Number of hours:</b><br><b>per week:</b> 3 / 2 <b>per level/semester:</b> 42 / 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: 0                                                                                                                                                                                |     |                                                                       |     |     |     |
| A                                                                                                                                                                                                                                                      | B   | C                                                                     | D   | E   | FX  |
| 0,0                                                                                                                                                                                                                                                    | 0,0 | 0,0                                                                   | 0,0 | 0,0 | 0,0 |
| <b>Lecturers:</b> RNDr. Miroslav Jeřkovský, PhD., prof. RNDr. Pavel Povinec, DrSc.                                                                                                                                                                     |     |                                                                       |     |     |     |
| <b>Last change:</b> 02.06.2015                                                                                                                                                                                                                         |     |                                                                       |     |     |     |
| <b>Approved by:</b> prof. RNDr. Peter Babinec, CSc.                                                                                                                                                                                                    |     |                                                                       |     |     |     |

## COURSE DESCRIPTION

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------|-----|-----|-----|
| <b>University:</b> Comenius University in Bratislava                                                                                                                                              |     |                                                                           |     |     |     |
| <b>Faculty:</b>                                                                                                                                                                                   |     |                                                                           |     |     |     |
| <b>Course ID:</b><br>FMFL.KJFB/3-FEN-808/15                                                                                                                                                       |     | <b>Course title:</b><br>Writing BSc or Diploma Thesis Assessment Protocol |     |     |     |
| <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: 1                                                                                                                           |     |                                                                           |     |     |     |
| 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. Peter Babinec, CSc.                                                                                                                                               |     |                                                                           |     |     |     |