

## Course descriptions

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## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KTFDF/2-UFY-256/15		<b>Course title:</b> Assessment of the Science Education Results			
<b>Educational activities:</b> <b>Type of activities:</b> course <b>Number of hours:</b> <b>per week:</b> 2 <b>per level/semester:</b> 28 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 4.					
<b>Educational level:</b> II., N					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> 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> doc. RNDr. Peter Demkanin, PhD., PaedDr. Soňa Chalupková, PhD.					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI.KTFDF/2-UXX-105/15		<b>Course title:</b> Computer-aided Science Laboratory			
<b>Educational activities:</b> <b>Type of activities:</b> course <b>Number of hours:</b> <b>per week:</b> 2 <b>per level/semester:</b> 28 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 3.					
<b>Educational level:</b> II., N					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 31					
A	B	C	D	E	FX
93,55	3,23	3,23	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Peter Demkanin, PhD.					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.					

## STATE EXAM DESCRIPTION

<b>University:</b> Comenius University in Bratislava	
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics	
<b>Course ID:</b> FMFL.KTFDF/2-UFY-961/15	<b>Course title:</b> Didactics of Physics
<b>Number of credits:</b> 3	
<b>Educational level:</b> II., N	
<b>State exam syllabus:</b>	
<b>Last change:</b> 02.06.2015	
<b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.	

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KTFDF/2-UFY-104/15		<b>Course title:</b> Didactics of Physics (1)			
<b>Educational activities:</b> <b>Type of activities:</b> course <b>Number of hours:</b> <b>per week:</b> 2 <b>per level/semester:</b> 28 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 3.					
<b>Educational level:</b> II., N					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 25					
A	B	C	D	E	FX
64,0	24,0	12,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Peter Demkanin, PhD., PaedDr. Soňa Chalupková, PhD.					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KTFDF/2-UFY-106/15		<b>Course title:</b> Didactics of Physics (2)			
<b>Educational activities:</b> <b>Type of activities:</b> lecture / practicals <b>Number of hours:</b> <b>per week:</b> 1 / 1 <b>per level/semester:</b> 14 / 14 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 4.					
<b>Educational level:</b> II., N					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 13					
A	B	C	D	E	FX
84,62	15,38	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Peter Demkanin, PhD.					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KTFDF/2- pUFY-901/16		<b>Course title:</b> Diploma Thesis Project			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week:</b> 2 <b>per level/semester:</b> 28 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 3.					
<b>Educational level:</b> N					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 0					
A	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Peter Demkanin, PhD.					
<b>Last change:</b>					
<b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KTFDF/1-UFY-220/15		<b>Course title:</b> Introduction to Class Experiments			
<b>Educational activities:</b> <b>Type of activities:</b> lecture / laboratory practicals <b>Number of hours:</b> <b>per week:</b> 2 / 2 <b>per level/semester:</b> 28 / 28 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 5					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> I., N					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 6					
A	B	C	D	E	FX
83,33	16,67	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Peter Demkanin, PhD.					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.					



## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KTFDF/2-UFY-115/15		<b>Course title:</b> Methods for Solving Physical Tasks			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week:</b> 3 <b>per level/semester:</b> 42 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II., N					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 20					
A	B	C	D	E	FX
95,0	5,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. PaedDr. Klára Velmovská, PhD.					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI.KZVI+KAGDM/2-UXX-123/15		<b>Course title:</b> Pedagogic Research Methodology (1)			
<b>Educational activities:</b> <b>Type of activities:</b> course <b>Number of hours:</b> <b>per week:</b> 2 <b>per level/semester:</b> 28 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 3.					
<b>Educational level:</b> II., N					
<b>Prerequisites:</b>					
<b>Antirequisites:</b> FMFI.KAGDM+KZVI/2-UXX-123/10					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 136					
A	B	C	D	E	FX
75,74	13,97	5,88	0,0	2,94	1,47
<b>Lecturers:</b> PaedDr. Mária Slavíčková, PhD., Mgr. Karolína Mayerová, PhD.					
<b>Last change:</b> 08.06.2017					
<b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KTFDF/1-UFY-320/00		<b>Course title:</b> Practical in Class Experiments (1)			
<b>Educational activities:</b> <b>Type of activities:</b> laboratory practicals <b>Number of hours:</b> <b>per week:</b> 2 <b>per level/semester:</b> 28 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 1.					
<b>Educational level:</b> N					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b> Safety of school experiments, demonstrative and pupil's experiments, team work of pupils. Class experiments in mechanics, molecular physics and thermodynamics, computer assisted laboratory planning experiements.					
<b>Recommended literature:</b> Koubek, V.a kol.: Školské pokusy z fyziky, SPN Bratislava1991 <a href="http://www.ddp.fmph.uniba.sk/~demkanin/SPSP1.htm">http://www.ddp.fmph.uniba.sk/~demkanin/SPSP1.htm</a>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 53					
A	B	C	D	E	FX
52,83	33,96	9,43	1,89	1,89	0,0
<b>Lecturers:</b> doc. PaedDr. Klára Velmovská, PhD.					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KTFDF/2-UFY-111/15		<b>Course title:</b> Practical in Class Experiments in Physics (1)			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week:</b> 2 <b>per level/semester:</b> 28 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1.					
<b>Educational level:</b> II., N					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 24					
A	B	C	D	E	FX
91,67	8,33	0,0	0,0	0,0	0,0
<b>Lecturers:</b> PaedDr. Peter Horváth, PhD.					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI-PriF.KDPP/1- UXX-141/15		<b>Course title:</b> Psychology for Teachers (1)			
<b>Educational activities:</b> <b>Type of activities:</b> lecture / seminar <b>Number of hours:</b> <b>per week:</b> 2 / 2 <b>per level/semester:</b> 28 / 28 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 4					
<b>Recommended semester:</b> 1.					
<b>Educational level:</b> I., II., N					
<b>Prerequisites:</b>					
<b>Antirequisites:</b> FMFI-PriF.KDPP/1-UXX-131/10					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 372					
A	B	C	D	E	FX
17,2	8,6	23,12	24,46	20,43	6,18
<b>Lecturers:</b> PhDr. Helena Hrubíšková, PhD., Mgr. Diana Demkaninová					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI-PriF.KDPP/1- UXX-142/15		<b>Course title:</b> Psychology for Teachers (2)			
<b>Educational activities:</b> <b>Type of activities:</b> lecture / seminar <b>Number of hours:</b> <b>per week:</b> 2 / 2 <b>per level/semester:</b> 28 / 28 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 4					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> I., II., N					
<b>Prerequisites:</b> FMFI-PriF.KDPP/1-UXX-141/15 - Psychology for Teachers (1)					
<b>Antirequisites:</b> FMFI-PriF.KDPP/1-UXX-135/10					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 251					
A	B	C	D	E	FX
18,33	13,94	16,33	28,29	18,73	4,38
<b>Lecturers:</b> PhDr. Helena Hrubíšková, PhD., Mgr. Diana Demkaninová					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI-PriF.KDPP/1- UXX-331/10		<b>Course title:</b> School Management			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 28</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 4.					
<b>Educational level:</b> N					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 83					
A	B	C	D	E	FX
57,83	26,51	13,25	0,0	1,2	1,2
<b>Lecturers:</b> doc. PaedDr. Zuzana Haláková, PhD.					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI-Prif.KDPP/1- UXX-331/15		<b>Course title:</b> School Management			
<b>Educational activities:</b> <b>Type of activities:</b> lecture / seminar <b>Number of hours:</b> <b>per week:</b> 1 / 2 <b>per level/semester:</b> 14 / 28 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 4					
<b>Recommended semester:</b> 4.					
<b>Educational level:</b> I., II., N					
<b>Prerequisites:</b>					
<b>Antirequisites:</b> FMFI-PriF.KDPP/1-UXX-331/10					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 91					
A	B	C	D	E	FX
56,04	26,37	15,38	0,0	1,1	1,1
<b>Lecturers:</b> doc. PaedDr. Zuzana Haláková, PhD.					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.					



## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KTFDF/2-UXX-821/15		<b>Course title:</b> Teaching Practice in Physics (2)			
<b>Educational activities:</b> <b>Type of activities:</b> practice <b>Number of hours:</b> <b>per week:</b> <b>per level/semester:</b> 60s <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II., N					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 14					
A	B	C	D	E	FX
92,86	7,14	0,0	0,0	0,0	0,0
<b>Lecturers:</b> PaedDr. Peter Horváth, PhD.					
<b>Last change:</b>					
<b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KTFDF/2-UXX-822/15		<b>Course title:</b> Teaching Practice in Physics (3)			
<b>Educational activities:</b> <b>Type of activities:</b> practice <b>Number of hours:</b> <b>per week:</b> <b>per level/semester:</b> 90s <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 3.					
<b>Educational level:</b> II., N					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 13					
A	B	C	D	E	FX
92,31	7,69	0,0	0,0	0,0	0,0
<b>Lecturers:</b> PaedDr. Peter Horváth, PhD.					
<b>Last change:</b>					
<b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI-Prif.KDPP/1- UXX-134/10		<b>Course title:</b> Theory of Teaching			
<b>Educational activities:</b> <b>Type of activities:</b> lecture / seminar <b>Number of hours:</b> <b>per week:</b> 2 / 1 <b>per level/semester:</b> 28 / 14 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 4					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> I., II., N					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 124					
A	B	C	D	E	FX
17,74	16,13	24,19	20,97	16,13	4,84
<b>Lecturers:</b> doc. PaedDr. Zuzana Haláková, PhD.					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.					

## STATE EXAM DESCRIPTION

<b>University:</b> Comenius University in Bratislava	
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics	
<b>Course ID:</b> FMFL.KTFDF/2-pUFY-911/16	<b>Course title:</b> Thesis Defence
<b>Number of credits:</b> 14	
<b>Educational level:</b> N	
<b>State exam syllabus:</b>	
<b>Last change:</b>	
<b>Approved by:</b> doc. RNDr. Peter Demkanin, PhD.	