

## 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> FMFI.KJFB/3-FJF-034/15		<b>Course title:</b> Accelerator Ion Technologies			
<b>Educational activities:</b> <b>Type of activities:</b> lecture / laboratory practicals <b>Number of hours:</b> <b>per week:</b> 2 / 3 <b>per level/semester:</b> 28 / 42 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 10					
<b>Recommended semester:</b> 1.					
<b>Educational level:</b> III.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 6					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> prof. RNDr. Pavel Povinec, DrSc., RNDr. Miroslav Ješkovský, PhD.					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> prof. RNDr. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJFB/3-FJF-035/15		<b>Course title:</b> Advanced High Energy Physics			
<b>Educational activities:</b> <b>Type of activities:</b> lecture / independent work <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> 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> Total number of evaluated students: 5					
A	B	C	D	E	FX
80,0	0,0	20,0	0,0	0,0	0,0
<b>Lecturers:</b> prof. RNDr. Stanislav Tokár, DrSc., Mgr. Pavol Bartoš, PhD.					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> prof. RNDr. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJFB/3-FJF-037/15		<b>Course title:</b> Advanced Nuclear Physics			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <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> 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> Total number of evaluated students: 4					
A	B	C	D	E	FX
75,0	25,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. Mgr. Stanislav Antalic, PhD.					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> prof. RNDr. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI.KJFB/3-FJF-029/15		<b>Course title:</b> Advanced Sub-nuclear Physics			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <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> 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> 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> prof. RNDr. Jozef Masarik, DrSc.					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> prof. RNDr. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI.KJFB/3-FJF-021/15		<b>Course title:</b> Advanced Theory of Nucleus			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <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> 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> 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. Fedor Šimkovic, CSc.					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> prof. RNDr. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJFB/3-FJF-301/15		<b>Course title:</b> Category A Publication			
<b>Educational activities:</b> <b>Type of activities:</b> independent work <b>Number of hours:</b> <b>per week:</b> 30 <b>per level/semester:</b> 420 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 30					
<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> 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. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI.KJFB/3-FJF-026/15		<b>Course title:</b> Computer Simulations in Radiation Physics			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <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> 10					
<b>Recommended semester:</b> 1.					
<b>Educational level:</b> III.					
<b>Prerequisites:</b>					
<b>Antirequisites:</b> FMFI.KJFB/3-FJF-026/10					
<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: 13					
A	B	C	D	E	FX
92,31	0,0	7,69	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. Jozef Masarik, DrSc.					



## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI.KJP/3-MXX-101/15		<b>Course title:</b> Course of English for PhD Studies (1)			
<b>Educational activities:</b> <b>Type of activities:</b> 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, 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> Total number of evaluated students: 27					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> PhDr. Alena Zemanová					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> prof. RNDr. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI.KJP/3-MXX-102/15		<b>Course title:</b> Course of English for PhD Studies (1)			
<b>Educational activities:</b> <b>Type of activities:</b> 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, 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> Total number of evaluated students: 38					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> PhDr. Alena Zemanová					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> prof. RNDr. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJFB/3-FJF-803/15		<b>Course title:</b> Creation of Teaching Texts and Aids			
<b>Educational activities:</b> <b>Type of activities:</b> independent work <b>Number of hours:</b> <b>per week:</b> 5 <b>per level/semester:</b> 70 <b>Form of the course:</b> on-site 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> 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. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJFB/3-FJF-203/15		<b>Course title:</b> Department Seminar (1)			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <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> 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> Total number of evaluated students: 30					
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. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI.KJFB/3-FJF-204/15		<b>Course title:</b> Department Seminar (2)			
<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> 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> Total number of evaluated students: 29					
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. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJFB/3-FJF-205/15		<b>Course title:</b> Department Seminar (3)			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <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> 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> Total number of evaluated students: 22					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b>					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> prof. RNDr. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJFB/3-FJF-206/15		<b>Course title:</b> Department Seminar (4)			
<b>Educational activities:</b> <b>Type of activities:</b> 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> 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> Total number of evaluated students: 25					
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. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI.KJFB/3-FJF-023/15		<b>Course title:</b> Detection Technique and Monitoring Systems			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <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> 10					
<b>Recommended semester:</b> 1.					
<b>Educational level:</b> III.					
<b>Prerequisites:</b>					
<b>Antirequisites:</b> FMFI.KJFB/3-FJF-023/10					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 12					
A	B	C	D	E	FX
58,33	25,0	16,67	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. Jozef Masarik, DrSc.					



## STATE EXAM DESCRIPTION

<b>University:</b> Comenius University in Bratislava	
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics	
<b>Course ID:</b> FMFL.KJFB/3-FJF-990/15	<b>Course title:</b> 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. Jozef Masarik, DrSc.	

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJFB/3-FJF-033/15		<b>Course title:</b> English Seminar on Nuclear and Subnuclear Physics			
<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> 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> Total number of evaluated students: 9					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> prof. RNDr. Pavel Povinec, DrSc., prof. RNDr. Jozef Masarik, DrSc.					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> prof. RNDr. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJFB/3-FJF-804/15		<b>Course title:</b> Guidance of a Project for the Students' Conference or of a Final Thesis			
<b>Educational activities:</b> <b>Type of activities:</b> other <b>Number of hours:</b> <b>per week:</b> 5 <b>per level/semester:</b> 70 <b>Form of the course:</b> on-site 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> 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. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJFB/3-FJF-111/15		<b>Course title:</b> Individual Study of Science and Research Resources (1)			
<b>Educational activities:</b> <b>Type of activities:</b> independent work <b>Number of hours:</b> <b>per week:</b> 10 <b>per level/semester:</b> 140 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 10					
<b>Recommended semester:</b> 1.					
<b>Educational level:</b> III.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 20					
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. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJFB/3-FJF-112/15		<b>Course title:</b> Individual Study of Science and Research Resources (2)			
<b>Educational activities:</b> <b>Type of activities:</b> independent work <b>Number of hours:</b> <b>per week:</b> 10 <b>per level/semester:</b> 140 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 10					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> III.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 19					
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. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJFB/3-FJF-701/15		<b>Course title:</b> Obtaining a Grant			
<b>Educational activities:</b> <b>Type of activities:</b> other <b>Number of hours:</b> <b>per week:</b> 20 <b>per level/semester:</b> 280 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 20					
<b>Recommended semester:</b> 4.					
<b>Educational level:</b> III.					
<b>Prerequisites:</b>					
<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: 18					
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. Jozef Masarik, DrSc.					

## STATE EXAM DESCRIPTION

<b>University:</b> Comenius University in Bratislava	
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics	
<b>Course ID:</b> FMFL.KJFB/3-FJF-950/15	<b>Course title:</b> 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. Jozef Masarik, DrSc.	

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI.KJFB/3-FJF-402/15		<b>Course title:</b> Presentation at a Home Conference or at Department Seminar			
<b>Educational activities:</b> <b>Type of activities:</b> independent work <b>Number of hours:</b> <b>per week: 5 per level/semester: 70</b> <b>Form of the course:</b> on-site 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> 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. Jozef Masarik, DrSc.					



## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJFB/3-FJF-401/15		<b>Course title:</b> Presentation at an International Conference			
<b>Educational activities:</b> <b>Type of activities:</b> independent work <b>Number of hours:</b> <b>per week:</b> 20 <b>per level/semester:</b> 280 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 20					
<b>Recommended semester:</b> 6.					
<b>Educational level:</b> III.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 24					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b>					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> prof. RNDr. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJFB/3-FJF-305/15		<b>Course title:</b> Publication in a Reviewed Periodical			
<b>Educational activities:</b> <b>Type of activities:</b> independent work <b>Number of hours:</b> <b>per week:</b> 15 <b>per level/semester:</b> 210 <b>Form of the course:</b> on-site 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> 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. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI.KJFB/3-FJF-704/15		<b>Course title:</b> Response to a WoK- or SCOPUS-registered Publication			
<b>Educational activities:</b> <b>Type of activities:</b> other <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> 6					
<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> 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. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJFB/3-FJF-702/15		<b>Course title:</b> Scientific Project Co-researcher			
<b>Educational activities:</b> <b>Type of activities:</b> independent work <b>Number of hours:</b> <b>per week:</b> 10 <b>per level/semester:</b> 140 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 10					
<b>Recommended semester:</b> 4.					
<b>Educational level:</b> III.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 14					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b>					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> prof. RNDr. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI.KJFB/3-FJF-025/15		<b>Course title:</b> Selected Topics in Radiation Physics			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <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> 10					
<b>Recommended semester:</b> 1.					
<b>Educational level:</b> III.					
<b>Prerequisites:</b>					
<b>Antirequisites:</b> FMFI.KJFB/3-FJF-025/10					
<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: 1					
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. Radoslav Böhm, PhD.					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> prof. RNDr. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFI.KJFB/3-FJF-036/15		<b>Course title:</b> Subnuclear Physics Experiment Modelling and Data Analysis			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <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> 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> Total number of evaluated students: 4					
A	B	C	D	E	FX
75,0	25,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> prof. RNDr. Stanislav Tokár, DrSc.					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> prof. RNDr. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJFB/3-FJF-802/15		<b>Course title:</b> Teaching Practice in the Summer Semester			
<b>Educational activities:</b> <b>Type of activities:</b> other <b>Number of hours:</b> <b>per week:</b> 8 <b>per level/semester:</b> 112 <b>Form of the course:</b> on-site 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> Total number of evaluated students: 6					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b>					
<b>Last change:</b> 02.06.2015					
<b>Approved by:</b> prof. RNDr. Jozef Masarik, DrSc.					

## COURSE DESCRIPTION

<b>University:</b> Comenius University in Bratislava					
<b>Faculty:</b> Faculty of Mathematics, Physics and Informatics					
<b>Course ID:</b> FMFL.KJFB/3-FJF-801/15		<b>Course title:</b> Teaching Practice in the Winter Semester			
<b>Educational activities:</b> <b>Type of activities:</b> other <b>Number of hours:</b> <b>per week:</b> 4 <b>per level/semester:</b> 56 <b>Form of the course:</b> on-site 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> 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. Jozef Masarik, DrSc.					