

## Course descriptions

### TABLE OF CONTENTS

1. RŠUC-005/19 Analytical Chemistry.....	2
2. N-RŠUC-011/23 Biochemistry.....	3
3. RŠUC-007/19 Chemical Calculation 1.....	4
4. RŠUC-016/19 Chemical Calculation 2.....	5
5. RŠUC-016/21 Chemistry and Didactics of Chemistry ( <b>state exam</b> ).....	6
6. RŠUC-006/19 Didactics of Chemistry.....	7
7. RŠUC-008/19 Didactics of Chemistry 1.....	8
8. RŠUC-009/19 Didactics of Chemistry 2.....	9
9. RŠUC-001/19 General Chemistry.....	10
10. N-RŠUC-004/23 Inorganic Chemistry.....	11
11. RŠUC-005/23 Laboratory practice.....	12
12. OBRŠ-200/16 Obhajoba záverečnej práce ( <b>state exam</b> ).....	13
13. N-RŠUC-012/23 Organic Chemistry.....	14
14. RŠUC-019/24 Pedagogická prax z chemie.....	15
15. RŠUC-017/23 Pedagogická prax 1.....	16
16. RŠUC-018/23 Pedagogická prax 2.....	17
17. RŠUC-012/19 Technika a didaktika školských pokusov z chémie.....	18
18. RŠUC-013/19 Vyučovanie chémie s podporou DT.....	19
19. RŠUC-015/19 Záverečná práca rozširujúceho štúdia.....	20

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KAICh/RŠUC-005/19		<b>Course title:</b> Analytical Chemistry			
<b>Educational activities:</b> <b>Type of activities:</b> <b>Number of hours:</b> <b>per week: per level/semester:</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 6					
<b>Recommended semester:</b> 1., 2..					
<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: 25					
A	B	C	D	E	FX
56,0	24,0	0,0	0,0	0,0	20,0
<b>Lecturers:</b> doc. RNDr. Radoslav Halko, PhD.					
<b>Last change:</b>					
<b>Approved by:</b> doc. RNDr. Štefan Karolčík, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KBCh/N-RŠUC-011/23		<b>Course title:</b> Biochemistry			
<b>Educational activities:</b> <b>Type of activities:</b> <b>Number of hours:</b> <b>per week: per level/semester:</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 6					
<b>Recommended semester:</b> 3., 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: 9					
A	B	C	D	E	FX
55,56	44,44	0,0	0,0	0,0	0,0
<b>Lecturers:</b>					
<b>Last change:</b>					
<b>Approved by:</b> doc. RNDr. Štefan Karolčík, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KAgCh/RŠUC-007/19		<b>Course title:</b> Chemical Calculation 1			
<b>Educational activities:</b> <b>Type of activities:</b> <b>Number of hours:</b> <b>per week: per level/semester:</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1., 2..					
<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: 25					
A	B	C	D	E	FX
44,0	24,0	8,0	8,0	4,0	12,0
<b>Lecturers:</b>					
<b>Last change:</b>					
<b>Approved by:</b> doc. RNDr. Štefan Karolčík, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KAgCh/RŠUC-016/19		<b>Course title:</b> Chemical Calculation 2			
<b>Educational activities:</b> <b>Type of activities:</b> <b>Number of hours:</b> <b>per week: per level/semester:</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 3., 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: 25					
A	B	C	D	E	FX
36,0	20,0	4,0	20,0	0,0	20,0
<b>Lecturers:</b>					
<b>Last change:</b>					
<b>Approved by:</b> doc. RNDr. Štefan Karolčík, PhD.					

## STATE EXAM DESCRIPTION

<b>Academic year:</b> 2025/2026	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Natural Sciences	
<b>Course ID:</b> PriF.KDPP/RŠUC-016/21	<b>Course title:</b> Chemistry and Didactics of Chemistry
<b>Number of credits:</b> 5	
<b>Educational level:</b> N	
<b>State exam syllabus:</b>	
<b>Last change:</b>	
<b>Approved by:</b> doc. RNDr. Štefan Karolčík, PhD.	

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/RŠUC-006/19		<b>Course title:</b> Didactics of Chemistry			
<b>Educational activities:</b> <b>Type of activities:</b> <b>Number of hours:</b> <b>per week: per level/semester:</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 4					
<b>Recommended semester:</b> 1., 2..					
<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: 21					
A	B	C	D	E	FX
33,33	57,14	9,52	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Beáta Brestenská, CSc., prof. RNDr. Miroslav Prokša, CSc.					
<b>Last change:</b>					
<b>Approved by:</b> doc. RNDr. Štefan Karolčík, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/RŠUC-008/19		<b>Course title:</b> Didactics of Chemistry 1			
<b>Educational activities:</b> <b>Type of activities:</b> <b>Number of hours:</b> <b>per week: per level/semester:</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 4					
<b>Recommended semester:</b> 1., 2..					
<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: 21					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> prof. RNDr. Miroslav Prokša, CSc.					
<b>Last change:</b>					
<b>Approved by:</b> doc. RNDr. Štefan Karolčík, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/RŠUC-009/19		<b>Course title:</b> Didactics of Chemistry 2			
<b>Educational activities:</b> <b>Type of activities:</b> <b>Number of hours:</b> <b>per week: per level/semester:</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 8					
<b>Recommended semester:</b> 3., 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: 20					
A	B	C	D	E	FX
55,0	25,0	20,0	0,0	0,0	0,0
<b>Lecturers:</b> prof. RNDr. Miroslav Prokša, CSc.					
<b>Last change:</b>					
<b>Approved by:</b> doc. RNDr. Štefan Karolčík, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KAgCh/RŠUC-001/19		<b>Course title:</b> General Chemistry			
<b>Educational activities:</b> <b>Type of activities:</b> <b>Number of hours:</b> <b>per week: per level/semester:</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 4					
<b>Recommended semester:</b> 1., 2..					
<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: 25					
A	B	C	D	E	FX
4,0	12,0	28,0	12,0	24,0	20,0
<b>Lecturers:</b>					
<b>Last change:</b>					
<b>Approved by:</b> doc. RNDr. Štefan Karolčík, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KAgCh/N-RŠUC-004/23		<b>Course title:</b> Inorganic Chemistry			
<b>Educational activities:</b> <b>Type of activities:</b> <b>Number of hours:</b> <b>per week: per level/semester:</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 6					
<b>Recommended semester:</b> 1., 2..					
<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: 9					
A	B	C	D	E	FX
11,11	33,33	44,44	11,11	0,0	0,0
<b>Lecturers:</b> RNDr. Jana Chrappová, PhD.					
<b>Last change:</b>					
<b>Approved by:</b> doc. RNDr. Štefan Karolčík, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KAgCh/RŠUC-005/23		<b>Course title:</b> Laboratory practice			
<b>Educational activities:</b> <b>Type of activities:</b> <b>Number of hours:</b> <b>per week: per level/semester:</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 1., 2..					
<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: 12					
A	B	C	D	E	FX
16,67	25,0	33,33	0,0	0,0	25,0
<b>Lecturers:</b> RNDr. Jana Chrappová, PhD.					
<b>Last change:</b>					
<b>Approved by:</b> doc. RNDr. Štefan Karolčík, PhD.					

## STATE EXAM DESCRIPTION

<b>Academic year:</b> 2025/2026	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Natural Sciences	
<b>Course ID:</b> PriF.KDPP/OBRŠ-200/16	<b>Course title:</b> Obhajoba záverečnej práce
<b>Number of credits:</b> 5	
<b>Educational level:</b> N	
<b>State exam syllabus:</b>	
<b>Last change:</b>	
<b>Approved by:</b> doc. RNDr. Štefan Karolčík, PhD.	

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KOrCh/N-RŠUC-012/23		<b>Course title:</b> Organic Chemistry			
<b>Educational activities:</b> <b>Type of activities:</b> <b>Number of hours:</b> <b>per week: per level/semester:</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 6					
<b>Recommended semester:</b> 3., 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: 9					
A	B	C	D	E	FX
44,44	33,33	22,22	0,0	0,0	0,0
<b>Lecturers:</b> doc. Ing. Mária Mečiarová, PhD.					
<b>Last change:</b>					
<b>Approved by:</b> doc. RNDr. Štefan Karolčík, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/RŠUC-019/24		<b>Course title:</b> Pedagogická prax z chemie			
<b>Educational activities:</b> <b>Type of activities:</b> <b>Number of hours:</b> <b>per week: per level/semester:</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 4					
<b>Recommended semester:</b> 3., 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: 9					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> Mgr. Kristína Huszárová					
<b>Last change:</b>					
<b>Approved by:</b> doc. RNDr. Štefan Karolčík, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/RŠUC-017/23		<b>Course title:</b> Pedagogická prax 1			
<b>Educational activities:</b> <b>Type of activities:</b> <b>Number of hours:</b> <b>per week: per level/semester:</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 4					
<b>Recommended semester:</b> 3., 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: 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>					
<b>Approved by:</b> doc. RNDr. Štefan Karolčík, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/RŠUC-018/23		<b>Course title:</b> Pedagogická prax 2			
<b>Educational activities:</b> <b>Type of activities:</b> <b>Number of hours:</b> <b>per week: per level/semester:</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 4					
<b>Recommended semester:</b> 3., 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: 0					
A	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> Mgr. Kristína Huszárová					
<b>Last change:</b>					
<b>Approved by:</b> doc. RNDr. Štefan Karolčík, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/RŠUC-012/19		<b>Course title:</b> Technika a didaktika školských pokusov z chémie			
<b>Educational activities:</b> <b>Type of activities:</b> <b>Number of hours:</b> <b>per week: per level/semester:</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 4					
<b>Recommended semester:</b> 3., 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: 21					
A	B	C	D	E	FX
80,95	14,29	0,0	0,0	0,0	4,76
<b>Lecturers:</b> doc. PaedDr. Anna Drozdíková, PhD.					
<b>Last change:</b>					
<b>Approved by:</b> doc. RNDr. Štefan Karolčík, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/RŠUC-013/19		<b>Course title:</b> Vyučovanie chémie s podporou DT			
<b>Educational activities:</b> <b>Type of activities:</b> <b>Number of hours:</b> <b>per week: per level/semester:</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 3., 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: 21					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> Mgr. Alexander Kmeť					
<b>Last change:</b>					
<b>Approved by:</b> doc. RNDr. Štefan Karolčík, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/RŠUC-015/19		<b>Course title:</b> Záverečná práca rozširujúceho štúdia			
<b>Educational activities:</b> <b>Type of activities:</b> <b>Number of hours:</b> <b>per week: per level/semester:</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 4					
<b>Recommended semester:</b> 3., 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: 21					
A	B	C	D	E	FX
90,48	0,0	0,0	4,76	0,0	4,76
<b>Lecturers:</b>					
<b>Last change:</b>					
<b>Approved by:</b> doc. RNDr. Štefan Karolčík, PhD.					