University: P. J. Ša	afárik Universi	ty in Košice				
Faculty: Faculty of	f Science					
Course ID: ÚCHV MOSU/06	<b>ID:</b> ÚCHV/ <b>Course name:</b> Metódy určovania štruktúry, spektrálne metódy 06					
Course type, scope Course type: Lec Recommended co Per week: Per st Course method:	ture ourse-load (ho udy period: 2	ours):				
Number of credits	: 8					
Recommended ser	nester/trimes	ter of the cours	<b>e:</b> 4.			
Course level: N						
Prerequisities:						
Conditions for cou	urse completio	)n:				
Learning outcome	es:					
Brief outline of th	e course:					
Recommended lite	erature:					
Course language:						
<b>Course assessmen</b> Total number of as	-	s: 0				
А	В	С	D	Е	FX	
0.0	0.0	0.0	0.0	0.0	0.0	
Provides: doc. RN	Dr. Ján Imrich	, CSc., doc. RNI	Dr. Jozef Chomid	ć, CSc.	L	
Date of last modif	ication: 24.02	.2017				
Approved: Guaran	teedoc. RNDr	. Mária Ganajov	á, CSc.			

University: P. J. Šaf	ărik Universi	ty in Košice			
Faculty: Faculty of	Science				
Course ID: ÚCHV/ RACH/06	Course na	me: Anorganick	á chémia		
Course type, scope Course type: Lectu Recommended cou Per week: Per stu Course method: pr	are arse-load (ho dy period: 3	ours):			
Number of credits:	12				
Recommended sem	ester/trimes	ter of the course	e: 1.		
Course level: N					
Prerequisities:					
Conditions for cour	se completio	on:			
Learning outcomes	:				
Brief outline of the	course:				
Recommended liter	ature:				
Course language:					
Course assessment Total number of ass	essed student	s: 3			
А	В	С	D	Е	FX
0.0	0.0	100.0	0.0	0.0	0.0
Provides: prof. RNI	Dr. Katarína (	Györyová, DrSc.	, doc. RNDr. Joz	ef Chomič, CSc.	
Date of last modific	ation: 24.02	.2017			
Approved: Guarante	eedoc. RNDr	. Mária Ganajova	á, CSc.		

University: P. J. Ša	fárik Universi	ty in Košice			
Faculty: Faculty of	Science				
<b>Course ID:</b> ÚCHV/ RANC/06	Course na	ne: Analytická	chémia		
Course type, scope Course type: Lect Recommended co Per week: Per stu Course method: p	ure urse-load (ho ıdy period: 24	urs):			
Number of credits:	: 8				
Recommended sem	nester/trimest	er of the cours	e: 2.		
Course level: N					
Prerequisities:					
Conditions for cou	rse completio	n:			
Learning outcomes	5:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
<b>Course assessment</b> Total number of ass		5: 3			
А	В	С	D	Е	FX
100.0	0.0	0.0	0.0	0.0	0.0
Provides: doc. RNI	Dr. Taťána Goi	ndová, CSc.	•		
Date of last modified	cation: 24.02.	2017			
Approved: Guarant	teedoc. RNDr.	Mária Ganajov	rá, CSc.		

ĭ	Šafárik Universit						
Faculty: Faculty	of Science						
<b>Course ID:</b> ÚCH RBAC/06	bourse ID: ÚCHV/ Course name: Bioinorganic Chemistry BAC/06						
Course type: L Recommended	course-load (ho study period: 24	urs):					
Number of cred	its: 8						
Recommended	semester/trimest	er of the cours	e: 5.				
Course level: N							
Prerequisities:							
Conditions for o	course completio	n:					
Learning outco	mes:						
bulk biological Biocatalyzers. C and regulation o	elements, essen Dxygen carriers a f bioenergetic pro	tial trace element nd oxygen trans occesses by the al	ents). Biocoord sport proteins. I kaline earth me	in biological syst lination compoun Photochemical pro tal ions. Calcium l inorganic chemist	nds, bioligands ocess. Catalysi		
	e.g. platinum com			iagnostics, minera	ry in pharmacy		
chemotherapy (e and in other bran <b>Recommended</b> in the Chemisry Wilkins P. C., W	e.g. platinum com nches of life. literature: reading: Kaim W. of Life. Wiley, C /ilkins R. G.: Inor	plexes in cancer , Schwederski E hichester 1998.	therapy)radiod		ry in pharmacy l biotechnology		
chemotherapy (e and in other bran <b>Recommended</b> in the Chemisry Wilkins P. C., W <b>Course languag</b>	e.g. platinum com nches of life. literature: reading: Kaim W. of Life. Wiley, C /ilkins R. G.: Inor e:	plexes in cancer , Schwederski E hichester 1998.	therapy)radiod	iagnostics, minera Chemistry: Inorg	ry in pharmacy l biotechnolog		
chemotherapy (e and in other bran <b>Recommended</b> Recommended in in the Chemisry Wilkins P. C., W <b>Course languag</b> <b>Course assessm</b>	e.g. platinum com nches of life. literature: reading: Kaim W. of Life. Wiley, C /ilkins R. G.: Inor e:	plexes in cancer , Schwederski E hichester 1998. ganic Chemistr	therapy)radiod	iagnostics, minera Chemistry: Inorg	ry in pharmacy l biotechnolog		
chemotherapy (e and in other bran <b>Recommended</b> Recommended in in the Chemisry Wilkins P. C., W <b>Course languag</b>	e.g. platinum com nches of life. literature: reading: Kaim W. of Life. Wiley, C Vilkins R. G.: Inor e: ent	plexes in cancer , Schwederski E hichester 1998. ganic Chemistr	therapy)radiod	iagnostics, minera Chemistry: Inorg	ry in pharmacy l biotechnolog		

**Date of last modification:** 24.02.2017

Approved: Guaranteedoc. RNDr. Mária Ganajová, CSc.

University: P. J. Ša	fárik Universi	ty in Košice			
Faculty: Faculty of	Science				
Course ID: ÚCHV/ RBCH/06	Course na	me: Biochemist	ry		
Course type, scope Course type: Lect Recommended co Per week: Per stu Course method: p	ure <b>urse-load (ho</b> 1 <b>dy period:</b> 24	urs):			
Number of credits:	: 10				
Recommended sem	nester/trimest	er of the cours	<b>e:</b> 3.		
Course level: N					
Prerequisities:					
Conditions for cou	rse completio	n:			
Learning outcomes	s:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
<b>Course assessment</b> Total number of ass		s: 9			
A	В	С	D	Е	FX
100.0	0.0	0.0	0.0	0.0	0.0
Provides: doc. RNI	Dr. Viktor Víg	laský, PhD.			
Date of last modified	cation: 24.02.	2017			
Approved: Guarant	teedoc. RNDr.	Mária Ganajov	á, CSc.		

University: P. J. Šaf	čárik University	y in Košice				
Faculty: Faculty of	Science					
Course ID: ÚCHV/ RBOC/06	HV/ Course name: Bioorganic Chemistry					
Course type, scope Course type: Lectu Recommended cou Per week: Per stu Course method: p	ure urse-load (hou dy period: 24	ırs):				
Number of credits:	8					
Recommended sem	ester/trimeste	er of the cours	e: 5.			
Course level: N						
Prerequisities:						
Conditions for cou	rse completion	ı:				
Learning outcomes						
Brief outline of the	course:					
Recommended liter	rature:					
Course language:						
Course assessment Total number of ass	essed students	: 1				
A	В	С	D	Е	FX	
100.0	0.0	0.0	0.0	0.0	0.0	
Provides: prof. RNI	Dr. Jozef Gond	a, DrSc.	L	·		
Date of last modific	cation: 24.02.2	2017				
Approved: Guarant	eedoc. RNDr	Mária Ganaiov	vá. CSc.			

University: P. J.	Šafárik Univers	ity in Košice			
Faculty: Faculty	of Science				
Course ID: ÚCH RCHDCH/04	IV/ Course na	me: Chémia a d	idaktika chémie		
Course type, sco Course type: Recommended Per week: Per Course method	course-load (he study period:				
Number of credi	its: 0				
Recommended s	emester/trimes	ter of the cours	e:		
<b>Course level:</b> N					
<b>Prerequisities:</b> Ú RDCH1/06	UCHV/RACH/00	6 and ÚCHV/RC	OCH/06 and ÚCH	IV/RDCH2/06 a	nd ÚCHV/
Conditions for c	ourse completi	on:			
Learning outcon	nes:				
Brief outline of t	he course:				
Recommended li	iterature:				
Course language	2:				
<b>Course assessme</b> Total number of		ts: 9			
A	В	С	D	Е	FX
44.44	11.11	33.33	11.11	0.0	0.0
Provides:					
Date of last mod	ification: 27.02	.2017			
Approved: Guara	anteedoc. RNDr	. Mária Ganajov	á, CSc.		

University: P. J. Ša	afárik Universit	y in Košice				
Faculty: Faculty of	f Science					
Course ID: ÚCHV RDCH1/06	ÚCHV/ <b>Course name:</b> Methodology of Chemistry Teaching I					
Course type, scope Course type: Lec Recommended co Per week: Per st Course method: p	ture ourse-load (ho oudy period: 24	urs):				
Number of credits	s <b>:</b> 9					
Recommended ser	mester/trimest	er of the cours	<b>e:</b> 4.			
Course level: N						
Prerequisities:						
Conditions for cou	urse completio	n:				
Learning outcome	es:					
Brief outline of the	e course:					
Recommended lite	erature:					
Course language:						
Course assessmen Total number of as	-	: 3				
A	В	С	D	Е	FX	
100.0	0.0	0.0	0.0	0.0	0.0	
Provides: doc. RN	Dr. Mária Gana	ijová, CSc.		·		
Date of last modif	ication: 24.02.2	2017				
Approved: Guaran	teedoc. RNDr.	Mária Ganaiov	rá, CSc.			

University: P. J. Š	afárik Universit	y in Košice				
Faculty: Faculty c	of Science					
Course ID: ÚCH RDCH2/06	urse ID: ÚCHV/ Course name: Methodology of Chemistry Teaching II OCH2/06					
Course type, scop Course type: Lea Recommended c Per week: Per s Course method:	cture course-load (ho tudy period: 24	urs):				
Number of credit	s: 9					
Recommended se	mester/trimest	er of the cours	e: 5.			
Course level: N						
Prerequisities:						
Conditions for co	urse completio	n:				
Learning outcom	es:					
Brief outline of th	e course:					
Recommended lit	erature:					
Course language:						
<b>Course assessmer</b> Total number of a	-	s: 9				
A	В	С	D	Е	FX	
88.89	11.11	0.0	0.0	0.0	0.0	
Provides: doc. RN	Dr. Mária Gana	ajová, CSc.		·		
Date of last modif	fication: 24.02.	2017				
Approved: Guara	nteedoc. RNDr.	Mária Ganaiov	vá, CSc.			

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University D	I Cofémile	I Inizzanaitzz in Vation
University: P	J Salarik	University in Košice
· · · · · · · · · · · · · · · · · · ·		

Faculty: Faculty of Science

Course ID: ÚCHV/	Course name: Electrochemical Methods
RECH/06	

Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: Per study period: 24s

**Course method:** present

Number of credits: 8

Recommended semester/trimester of the course: 4.

Course level: N

**Prerequisities:** 

**Conditions for course completion:** 

Learning outcomes:

#### **Brief outline of the course:**

Importance of electroanalytical methods for environmental control and protection, requirements of practice, electrochemical cells, electrode potential, mass transfer by convection, migration and diffusion, Cottrell equation, direct current voltametry and polarography(principle, theoretical backround, examples of practical application). TAST polarography and voltametry, staircase voltammetry, pulse techniques: normal pulse and differential pulse voltammetry and polarography, square - wave voltammetry and polarography, AC polarography and voltammetry, anodic stripping voltammetry, adsorptive(or accumulation) voltammetry (applications in clinical and environmental analysis), working electrodes in voltammetry: stationary mercury electrode, mercury film electrode, glassy carbon electrode, carbon paste electrode,metallic electrodes, rotating disk electrode, rotating ring-disk electrodes, glass electrodes, ISE with solid and liquid membranes, biocatalytic membrane electrodes, chronopotentiometry, potentiometric stripping analysis, electroanalytical detectors in flow systems, amperometric titrations, biamperometric and bipotentiometric titrations, potentiostatic and galvanostatic coulometry.

#### **Recommended literature:**

F. Scholtz: Electroanalytical Methods, Springer Vrlg., Heidelberg 2002, ISBN 3-540-42449-3 J. Wang: Analytical Electrochemistry, VCH Publ., New York 1994,2000 R. Kalvoda (Ed.): Electroanalytical Methods in Chemical and Environmental Analysis, Plenum Publ. Corp., New York 1987

A.J. Bard, L.R. Faulkner: Electrochemical Methods, Jofn Wiley and Sons, New York 1980 T. Riley, A. Watson: Polarography and Other Voltametric methods, John Wiley and Sons, Chichester 1987

J. Wang: Stripping Analysis, VCH Publ. Inc., Deerfield Beach 19858

### **Course language:**

### **Course assessment**

Total number of assessed students: 0

А	В	С	D	Е	FX		
0.0	0.0	0.0	0.0	0.0	0.0		
Provides: doc. ]	Provides: doc. RNDr. Kvetoslava Markušová, CSc.						
Date of last mo	Date of last modification: 24.02.2017						
Approved: Gua	Approved: Guaranteedoc. RNDr. Mária Ganajová, CSc.						

University: P. J. Šafárik	Universitv in l	Košice
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Faculty: Faculty of Science

**Course ID:** ÚCHV/ **Course name:** Physical Chemistry RFCH/06

Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: Per study period: 24s Course method: present

Number of credits: 8

**Recommended semester/trimester of the course:** 1.

Course level: N

**Prerequisities:** 

**Conditions for course completion:** 

Examination

#### Learning outcomes:

To provide the students with basic knowledge of physical chemistry.

#### **Brief outline of the course:**

State of aggregation, laws for ideal and real gases, liquids and solids - characteristics and properties. Principles of thermodynamics, thermodynamic equilibrium, characteristic thermodynamic changes, heat, work, internal energy, enthalpy, entropy, 1st, 2nd and 3rd law of thermodynamics, Gibbs energy. Thermochemistry, heat of reaction, 1st and 2nd thermometric laws, enthalpy of formation, enthalpy of combustion, calorimetry. Phase equilibria, Gibbs' phase rule, phase diagrams for 1-, 2- and 3-componental systems, colligative properties, activity. Adsorption, adsorption isotherms. Diffusion. Chemical equilibrium, van't Hoff's reaction isotherm, isobar and isochore, influence of temperature and pressure on chemical equilibrium. Electrochemistry. Conductivity of electrolytes, utilization, Faraday's law, strong electrolytes - theory, activity coefficients, ionic strength. Weak electrolytes, theories of acids and bases, buffer solutions, hydrolysis of salts. Galvanic cells, electromotive force of cells, Nernst equation, electrodes of 1st and 2nd kind, redox electrodes, Peters ' equation, standard electrode potentials, potentiometric measurments, ion selective electrodes. Electrode processes, polarization of electrodes, concentration cells, corrosion of metals and passivity. Principles of polarography and voltammetric methods. Chemical kinetics - reaction types and mechanism, reaction rate, molecularity and order of reaction, rate laws for 1st and 2nd order reactions, reaction mechanisms, reaction rate theories, temperature dependence of rate constants. Catalysis - homogeneous and heterogeneous, acidobasic catalysis, enzyme catalysis. Colloids classification, preparation, stability, optical properties, dialysis.

### **Recommended literature:**

T. Engel, P. Reid: Physical Chemistry, Pearson Educat. Inc., San Francisco, 2006 P.W. Atkins: Physical Chemistry, Oxford University Presss, Oxford, 1986, 1990, 1996 W.J. Moore: Physical Chemistry, Longman, London, 1972 and newer editions

#### **Course language:**

**Course assessment** Total number of assessed students: 3

А	В	С	D	Е	FX		
0.0	0.0	100.0	0.0	0.0	0.0		
<b>Provides:</b> doc. RNDr. Kvetoslava Markušová, CSc., prof. RNDr. Renáta Oriňaková, DrSc., RNI Daniela Kladeková, CSc.							
Date of last mo	Date of last modification: 24.02.2017						
Approved: Gua	Approved: Guaranteedoc. RNDr. Mária Ganajová, CSc.						

University: P. J. Ša	fárik Universit	y in Košice			
Faculty: Faculty of	Science				
<b>Course ID:</b> ÚCHV/ RMIN/06	Course nar	ne: Basis of M	ineralogy		
Course type, scope Course type: Lect Recommended co Per week: Per stu Course method: p	ure urse-load (ho 1dy period: 24	urs):			
Number of credits:	: 8				
Recommended sen	nester/trimest	er of the cours	se: 4.		
Course level: N					
Prerequisities:					
Conditions for cou	rse completio	n:			
Learning outcome	5:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
<b>Course assessment</b> Total number of ass		: 9			
A	В	С	D	Е	FX
100.0	0.0	0.0	0.0	0.0	0.0
Provides: doc. RNI	Dr. Ivan Potočř	iák, PhD.			
Date of last modified	cation: 24.02.2	2017			
Approved: Guarant	teedoc. RNDr.	Mária Ganaiov	vá, CSc.		

University: P. J. Ša	ıfárik Universit	y in Košice			
Faculty: Faculty of	fScience				
Course ID: ÚCHV ROCH/06	Course nam	ne: Organická	chémia		
Course type, scope Course type: Lec Recommended co Per week: Per st Course method: p	ture ourse-load (ho udy period: 36	urs):			
Number of credits	: 12				
Recommended ser	nester/trimest	er of the cours	e: 2.		
Course level: N					
Prerequisities:					
Conditions for cou	irse completio	n:			
Learning outcome	s:				
Brief outline of the	e course:				
Recommended lite	erature:				
Course language:					
<b>Course assessmen</b> Total number of as	-	: 3			
A	В	С	D	Е	FX
100.0	0.0	0.0	0.0	0.0	0.0
Provides: prof. RN	Dr. Jozef Gond	la, DrSc.		·	
Date of last modifi	ication: 24.02.2	2017			
Approved: Guaran	teedoc. RNDr.	Mária Ganaiov	rá, CSc.		

University: P. J. Šaf	ărik Universit	y in Košice			
Faculty: Faculty of	Science				
<b>Course ID:</b> ÚCHV/ ROZP/12	Course nar	<b>ne:</b> Obhajoba z	áverečnej práce		
Course type, scope Course type: Recommended cou Per week: Per stu Course method: p	urse-load (ho dy period:				
Number of credits:	0				
Recommended sem	ester/trimest	er of the cours	e:		
Course level: N					
Prerequisities:					
Conditions for cou	rse completio	n:			
Learning outcomes	:				
Brief outline of the	course:				
Recommended liter	rature:				
Course language:					
Course assessment Total number of ass	essed students	:: 0			
A	В	С	D	Е	FX
0.0	0.0	0.0	0.0	0.0	0.0
Provides:					
Date of last modific	cation: 27.02.2	2017			
Approved: Guarant	eedoc. RNDr.	Mária Ganaiov	rá, CSc.		

University: P. J. Šaf	čárik Universit	y in Košice				
Faculty: Faculty of	Science					
<b>Course ID:</b> ÚCHV/ RPAC/06	5 5					
Course type, scope Course type: Pract Recommended cou Per week: Per stu Course method: p	tice urse-load (hou dy period: 12	urs):				
Number of credits:	3					
Recommended sem	ester/trimeste	er of the cours	e: 3.			
Course level: N						
Prerequisities:						
Conditions for cou	rse completio	n:				
Learning outcomes	:					
Brief outline of the	course:					
Recommended liter	rature:					
Course language:						
Course assessment Total number of ass	essed students	: 0				
A	В	С	D	Е	FX	
0.0	0.0	0.0	0.0	0.0	0.0	
Provides: doc. RND	Dr. Taťána Gon	dová, CSc.	L	·		
Date of last modific	cation: 24.02.2	2017				
Approved: Guarant	eedoc. RNDr.	Mária Ganaiov	vá, CSc.			

University: P. J. Šat	fárik University	y in Košice			
Faculty: Faculty of	Science				
<b>Course ID:</b> ÚCHV/ RPACH/06	Course nam	ne: Praktikum	z anorganickej cł	némie	
Course type, scope Course type: Prac Recommended co Per week: Per stu Course method: p	tice urse-load (hou ıdy period: 24	ırs):			
Number of credits:	6				
Recommended sem	ester/trimeste	er of the cours	e: 2.		
Course level: N					
Prerequisities:					
Conditions for cou	rse completion	ı:			
Learning outcomes	5:				
Brief outline of the	course:				
Recommended lite	rature:				
Course language:					
<b>Course assessment</b> Total number of ass		: 0			
A	В	С	D	Е	FX
0.0	0.0	0.0	0.0	0.0	0.0
Provides: doc. RNI	Dr. Jozef Chom	ič, CSc.	I	·	
Date of last modifie	cation: 24.02.2	2017			
Approved: Guarant	eedoc. RNDr.	Mária Ganaiov	rá, CSc.		

University: P. J. Šafárik University i	in Košice	v in Košice	ošice
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Faculty: Faculty of Science

Course ID: ÚCHV/	Course name: Biochemistry Practical
RPBCH/06	

Course type, scope and the method: Course type: Practice

**Recommended course-load (hours):** 

Per week: Per study period: 24s

Course method: present

Number of credits: 6

Recommended semester/trimester of the course: 4.

**Course level:** N

**Prerequisities:** 

**Conditions for course completion:** 

#### Learning outcomes:

To allow students to get practical experience in experimental techniques and methods, currently used in a biochemical research: UV/VIS spectrophotometry, thin layer chromatography (TLC), gel electrophoresis, isolation of macromolecules and substances from biological materials and their quantitative and qualitative determination.

#### **Brief outline of the course:**

The most important biochemical laboratory methods. The qualitative tests for amino acids and proteins. Time-dependent course of enzyme-catalyzed reaction: determination of enzymatic activity, determination of the first order rate constant, calculations of math models (examples), effect of a substrate concentration on initial rate of reaction, determination of Km and Vmax for urease. Isolation and detection of nucleic acids.

#### **Recommended literature:**

Sedlák, Danko, Varhač, Paulíková, Podhradský: Practical exercises from biochemistry, 2007, http://kosice.upjs.sk/~kbch/document.php?name=pbc&lang=sk

Course languag					
Course assessm Total number o	nent f assessed studen	ts: 3			
А	В	С	D	E	FX
100.0	0.0	0.0	0.0	0.0	0.0
Provides: doc.	RNDr. Viktor Víg	glaský, PhD.	•		•
Date of last mo	dification: 24.02	.2017		-	
Approved: Gua	ranteedoc. RND	: Mária Ganajov	rá, CSc.		

University: P. J.	Šafárik Univer	rsity in Košice					
Faculty: Faculty	of Science						
<b>Course ID:</b> ÚCH RPFC/06	CHV/ Course name: Practical in Physical Chemistry						
Course type, sco Course type: P Recommended Per week: Per Course methoo	ractice course-load ( study period:	hours):					
Number of cred	its: 3						
Recommended	semester/trim	ester of the cour	se: 2.				
Course level: N							
Prerequisities:							
Conditions for of Approved labora Assessment	-	tion:					
Learning outcome Theoretical prine experiments.		ion of each techn	ique and appropr	iate physical cher	mistry		
chemical equilib ebulioscopy), ac Experimental ve constants, activ polarography) a	rerification of bria (determinat lsorption. prification of the ity coefficients nd chemical kin	tion of enthalpy, p eoretical knowled s, electromotive	owledge on ther phase diagrams), o lge on electrocher force of galvant tion of rate consta	colligative proper mistry (conductiv ic cell, Daniell	ties (cryoscopy, rity, dissociation		
W.J. Moore: Phy	llay's Practical ysical Chemistr	ry, Longman, Lor	try, Longman, Lo Idon, 1972 rsity Press, Oxfor	-	02		
Course languag	e:						
Course assessm Total number of		nts: 0					
А	В	C	D	E	FX		
0.0	0.0	0.0	0.0	0.0	0.0		
0.0							
		eková, CSc., RNI	Dr. František Kaľa	avský, RNDr. An	drea Morovská		

Approved: Guaranteedoc. RNDr. Mária Ganajová, CSc.

University: P. J. Ša	afárik Universi	ity in Košice			
Faculty: Faculty of	f Science				
<b>Course ID:</b> ÚCHV RPOC/06	V/ Course na	me: Praktikum	z organickej ché	mie	
Course type, scope Course type: Prace Recommended co Per week: Per st Course method:	ctice ourse-load (he audy period: 2	ours):			
Number of credits	: 6				
Recommended ser	mester/trimes	ter of the cours	<b>e:</b> 3.		
Course level: N					
Prerequisities:					
Conditions for cou	urse completio	on:			
Learning outcome	es:				
Brief outline of th	e course:				
Recommended lite	erature:				
Course language:					
Course assessmen Total number of as		ts: 0			
A	В	С	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
Provides: doc. RN	Dr. Miroslava	Martinková, Ph	D.		
Date of last modif	ication: 24.02	.2017			
Approved: Guaran	teedoc. RNDr	. Mária Ganaiov	á, CSc.		

University: P. J. Šafá	rik University in Košice			
Faculty: Faculty of S	Science			
Course ID: ÚCHV/ RPP/07	Course name: Pedagogic	ká prax		
Course type, scope a Course type: Practi Recommended cou Per week: Per stud Course method: pr	ce <b>rse-load (hours):</b> <b>ly period:</b> 20s			
Number of credits:	6			
Recommended seme	ester/trimester of the cour	se: 5.		
<b>Course level:</b> N				
Prerequisities:				
Conditions for cour	se completion:			
Learning outcomes:				
Brief outline of the	course:			
Recommended liter	ature:			
Course language:				
<b>Course assessment</b> Total number of asse	essed students: 9			
	abs	n		
100.0 0.0				
Provides: PhDr. Silv	ia Kontírová, PhD., Mgr. M	lária Sarková, PhD.		
Date of last modific	ation: 27.02.2017		-	
Approved: Guarante	edoc. RNDr. Mária Ganajo	vá, CSc.		

University: P. J. Ša	fárik Universi	y in Košice			
Faculty: Faculty of	Science				
Course ID: ÚCHV RSZP1/00	Course na	ne: Záverečná	práca		
Course type, scope Course type: Recommended co Per week: Per stu Course method: p	urse-load (ho 1dy period:				
Number of credits	: 10				
Recommended sen	nester/trimest	er of the cours	e: 5.		
Course level: N					
Prerequisities:					
Conditions for cou	rse completio	n:			
Learning outcome	s:				
Brief outline of the	e course:				
Recommended lite	rature:				
Course language:					
Course assessment Total number of ass		s: 9			
A	В	С	D	Е	FX
100.0	0.0	0.0	0.0	0.0	0.0
Provides:	I				
Date of last modifi	cation: 24.02.	2017			
Approved: Guaran	teedoc. RNDr.	Mária Ganaiov	rá, CSc.		

University: P. J. Šaf	ărik Universit	y in Košice						
Faculty: Faculty of	Science							
Course ID: ÚCHV/ RVCH/06	IV/ Course name: Všeobecná chémia+chemické výpočty							
Course type, scope Course type: Lectu Recommended cou Per week: Per stu Course method: pr	are arse-load (ho dy period: 36	urs):						
Number of credits:	12							
Recommended sem	ester/trimest	er of the cours	<b>e:</b> 1.					
Course level: N								
Prerequisities:								
Conditions for cour	se completio	n:						
Learning outcomes	:							
Brief outline of the	course:							
Recommended liter	ature:							
Course language:								
Course assessment Total number of ass	essed students	:: 3						
A	В	С	D	Е	FX			
100.0	0.0	0.0	0.0	0.0	0.0			
Provides: prof. RNI	Dr. Katarína G	yöryová, DrSc	, doc. RNDr. Joz	ef Chomič, CSc.				
Date of last modific	cation: 24.02.2	2017						
Approved: Guarante	eedoc. RNDr.	Mária Ganajov	rá, CSc.					