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## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚCHV/ AMCU/22	<b>Course name:</b> Activating teaching methods in chemistry
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 1 <b>Per study period:</b> 28 / 14 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 4	
<b>Recommended semester/trimester of the course:</b> 1.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> 1. Participations in seminars (also applies to the online form of teaching). Students are required to participate in seminars. The students can excuse themselves (incapacity for work, family reasons, etc.) for a maximum of two seminars during the semester without the need for replacement. In the case of a longer-term justified absence (for example due to incapacity for work), the student will be assigned an alternative form of completing the missed curriculum. 2. Active participation in class. Seminars are conducted in a form in which students are active - students present assignments, which include worksheets. The student is obliged to prepare 5 written assignments. The assignments will be available through the e-learning portal LMS Moodle (direct link to the website: <a href="https://lms.upjs.sk/">https://lms.upjs.sk/</a> ) in the course Activating teaching methods in chemistry. 3. The content of the seminars also includes assignment in a form of seminar work, which the student submits to the course. The seminar paper will focus on: Suggestion of an activity on a selected topic for active inquiry (inquiry-based learning, project-based learning, use of digital technologies) with a focus on the development of specific scientific and digital skills and skills related to learning. The design of the activity will also include the design of summative and formative assessment tools to verify understanding and skills in the topic. 4. The final presentation of the seminar work. Assessment of the presentation skills. (0 - 20 points). The final presentation will form a comprehensive output of acquired knowledge and skills. The final evaluation in the course consists of the sum of points obtained for: 1. Assignments during the semester 5x (0 - 50 points) 2. Seminar work (0 - 25 points) 3. Final presentation of the seminar work (0 - 25 points) Conditions for successful completion of the course: In order to obtain an A rating, it is necessary to obtain at least 85 points in total, to obtain an B rating at least 75 points, to obtain a C rating at least 65 points, to obtain a D rating at least 55 points and to obtain an E rating at least 45 points.	
<b>Learning outcomes:</b> Student will acquire an overview of selected activating methods in teaching chemistry from a theoretical and practical point of view. Can design project work, include it in teaching and evaluate its outcomes. Will be able to design inquiry-based activities, include them in teaching and verify their effectiveness based on formative assessment tools. Will gain knowledge about the requirements of assessment in the 21st century with a focus on the development and validation of	

conceptual understanding and skills through the tools of summative and formative assessment. Will learn how to create tasks at different levels of Bloom's taxonomy. Will get acquainted with selected cognitive and metacognitive tools of formative assessment as well as with specific examples. Will know and practically use applications usable for online assessment purposes (Google Forms, Socrative, Kahoot, etc.). Will acquire skills for the implementation of teaching with computer-based experiments in terms of work procedures, working with technology and organization of work.

**Brief outline of the course:**

1. Characteristics of activating methods in chemistry teaching.
2. Project-based method in chemistry teaching, characteristics and examples of project work.
3. Inquiry-based methods in chemistry teaching, examples of inquiry-based activities.
4. Computer-based chemical experiments.
5. Requirements for assessment in the 21st century. Assessment in chemistry teaching I - Summative assessment. Bloom's taxonomy. Creation of tasks and didactic tests using digital tools for summative assessment (Google Forms, Socrative, Kahoot) - practical examples.
6. Assessment in chemistry teaching - Formative assessment. Applications usable for online assessment purposes (Google Forms, Socrative, Kahoot, etc.). Tasks of international PISA measurements - examples of tasks, their characteristics. Complex tasks in teaching chemistry.
7. Concept maps in chemistry.

**Recommended literature:**

1. GANAJOVÁ, M. KALAFUTOVÁ, J. a kol.: Projektové vyučovanie v chémii. Didaktická príručka pre učiteľov základných škôl. Bratislava: Štátny pedagogický ústav, 2010. 144 s. ISBN 978-80-8118-058-3.
2. Digitálna knižnica pre projektové vyučovanie v chémii. [http://kekule.science.upjs.sk/chemia/digitalna\\_kniznica/Index.htm](http://kekule.science.upjs.sk/chemia/digitalna_kniznica/Index.htm)
3. KIREŠ, M., JEŠKOVÁ, Z., GANAJOVÁ, M., KIMÁKOVÁ, K.: Bádateľské aktivity v prírodovednom vzdelávaní. Časť A. Bratislava: ŠPÚ, 2016. ISBN 978-80-8118-155-9. [https://www.statpedu.sk/files/articles/nove\\_dokumenty/ucebnice-metodiky-publikacie/badatske-aktivity/01cast\\_a\\_web.pdf](https://www.statpedu.sk/files/articles/nove_dokumenty/ucebnice-metodiky-publikacie/badatske-aktivity/01cast_a_web.pdf)
4. GANAJOVÁ, M., KRISTOFOVÁ, M.: Bádateľské aktivity v prírodovednom vzdelávaní. Časť B. Ukážky vytvorených metodických a pracovných materiálov z predmetu Chémia. Bratislava: ŠPÚ, 2016. [https://www.statpedu.sk/files/articles/nove\\_dokumenty/ucebnice-metodiky-publikacie/badatske-aktivity/04cast\\_b\\_chemia\\_web.pdf](https://www.statpedu.sk/files/articles/nove_dokumenty/ucebnice-metodiky-publikacie/badatske-aktivity/04cast_b_chemia_web.pdf)
5. GANAJOVÁ a kol.: Zbierka inovatívnych metodík z chémie pre základné školy. Doplnené vydanie. Bratislava: CVTI SR, 2021. ISBN 978-80-8240-007-9. <https://vzdelavanie.itakademia.sk/vystupy/zim-che-zs.pdf>
6. GANAJOVÁ a kol.: Zbierka inovatívnych metodík z chémie pre stredné školy. Doplnené vydanie. Bratislava: CVTI Bratislava: CVTI SR, 2021. ISBN 978-80-8240-008-6. <https://vzdelavanie.itakademia.sk/vystupy/zim-che-ss.pdf>
7. GANAJOVÁ, M.: Metodika tvorby učebných úloh a didaktických testov pre chémiu. Košice: UPJŠ, 2015. ISBN 978-80-8152-237-6. <https://unibook.upjs.sk/sk/prirodovedecka-fakulta/445-metodika-tvorby-ucebnych-uloh-a-didaktickych-testov-pre-chemiu>
8. GANAJOVÁ a kol.: Rozvíjanie kompetencií žiakov prostredníctvom učebných úloh z chémie. Bratislava: ŠPÚ, 2018. ISBN 978-80-8118-215-0. <https://www.statpedu.sk/files/sk/publikacna-cinnost/publikacie/spu-chemia-2018-web.pdf>
9. GANAJOVÁ, M., BRESTENSKÁ, B., GUNIŠ, J., JEŠKOVÁ, Z., KIREŠ, M., LEŠKOVÁ, A., LUKÁČ, S., OROSOVÁ, R., SOTÁKOVÁ, I., SZARKA, K., ŠNAJDER, L.: Formatívne

hodnotenie vo výučbe prírodných vied, matematiky a informatiky. 1. vyd. UPJŠ v Košiciach, 2021, 450 s. ISBN 978-80-8152-973-3.

10. Inovovaný štátny vzdelávací program pre 2. stupeň ZŠ. Človek a príroda. Chémia.

[https://www.statpedu.sk/files/articles/dokumenty/inovovany-statny-vzdelavaci-program/chemia\\_nsv\\_2014.pdf](https://www.statpedu.sk/files/articles/dokumenty/inovovany-statny-vzdelavaci-program/chemia_nsv_2014.pdf)

11. Inovovaný štátny vzdelávací program pre gymnázia so štvorročným a päťročným vzdelávacím programom. Človek a príroda. Chémia.

[https://www.statpedu.sk/files/articles/dokumenty/inovovany-statny-vzdelavaci-program/chemia\\_g\\_4\\_5\\_r.pdf](https://www.statpedu.sk/files/articles/dokumenty/inovovany-statny-vzdelavaci-program/chemia_g_4_5_r.pdf)

12. Školský informačný systém. Chémia. <http://kekule.science.upjs.sk/chemia/index.htm>

13. E – learning kurz: Aktivizujúce metódy výučby chémie, <https://lms.upjs.sk/>

**Course language:**

**Notes:**

**Course assessment**

Total number of assessed students: 42

A	B	C	D	E	FX
95.24	4.76	0.0	0.0	0.0	0.0

**Provides:** doc. RNDr. Mária Ganajová, CSc., RNDr. Ivana Sotáková, Ph.D., RNDr. Martin Vavra, PhD.

**Date of last modification:** 08.05.2022

**Approved:** prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚCHV/ ZTOX/22		<b>Course name:</b> Basic Toxicology			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 1.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b> Goal of the course is to provide the students with a knowledge of types of toxic substances and their metabolism, safe and handling of toxic substances.					
<b>Brief outline of the course:</b> Historical aspects, types of toxic substances, types of exposure, dose-response relationship. Disposition of toxic compounds (absorption, distribution, excretion of toxic compounds). Metabolism of toxic compounds. Drugs as toxic substances, food additives and contaminants, environmental pollutants. Statement of chemistry laboratory policy. Safe and handling of toxic substances.					
<b>Recommended literature:</b> G. F. Fuhrman: Allgemeine Toxikologie fuer Chemiker, Teubner Verlag, Stuttgart 1984. V. E. Forbes, T. L. Forbe: Ecotoxicology in Theory and Practice, Chapman&Hall, London 1994. J. A. Timbrell: Introduction to Toxicology, Taylor&Francis, London 1994. J.H.Duffus, H.G.J. Worth: Fundamental toxicology, RSC Publishing, Cambridge, 2006.					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 31					
A	B	C	D	E	FX
25.81	19.35	29.03	12.9	12.9	0.0
<b>Provides:</b> RNDr. Miroslava Matiková Maľarová, PhD.					
<b>Date of last modification:</b> 21.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/ ZKAR/21		<b>Course name:</b> Basics of Karstology and Speleology			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 3					
<b>Recommended semester/trimester of the course:</b> 2.					
<b>Course level:</b> I., II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 18					
A	B	C	D	E	FX
66.67	11.11	11.11	11.11	0.0	0.0
<b>Provides:</b> RNDr. Alena Gessert, PhD., univerzitná docentka, doc. Ing. Katarína Bónová, PhD.					
<b>Date of last modification:</b> 20.02.2023					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> KPPaPZ/SNP/09	<b>Course name:</b> Bullying, Violence and Their Prevention
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: 2 Per study period: 28</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 1., 3.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Active participation in seminars. Detailed information will be given. Active participation - 20% Seminar work - 40% Seminar work 2 - 40%	
<b>Learning outcomes:</b> Knowledge: the graduate of the course can summarize the latest knowledge about bullying in schools and its consequences. Skills. The student is able to analyse problem situations related to bullying and solve them. The student will develop professional skills through the implementation of prevention activities in seminars. Competences. The graduate of the course is sensitive to the issue of bullying, knows how to identify bullying in the early stages and prevent it from developing into serious forms.	
<b>Brief outline of the course:</b> Aggressive behavior. Characteristics of actors of bullying (personality, characteristics of family environment). Manifestations and possible causes of bullying. Bullying as a group process. The role of teacher, school and parent in solving bullying. Possibilities of prevention of bullying at the level of school, class, individuals. Primary, secondary and tertiary prevention. Socio-psychological activities used in the prevention of bullying.	
<b>Recommended literature:</b> Kolář, M.: Bolest šikanování. Cesta k zastavení epidemie šikanování ve školách. Portál, Praha, 2001 Jánošová a kol. Psychologie školní šikany. Grada, Praha, 2016 Říčan, P.: Agresivita a šikana mezi dětmi. Portál, Praha, 1995 Janošová, P., Kollerová, L., Cakirpaloglu, P., & Vorlíček, R. (2023). Empatie žáků vůči šikanovaným spolužákům. Československá psychologie, 67(1), 1-14.	
<b>Course language:</b>	
<b>Notes:</b>	



<b>Course assessment</b>					
Total number of assessed students: 214					
A	B	C	D	E	FX
85.51	13.08	0.93	0.47	0.0	0.0
<b>Provides:</b> doc. Mgr. Mária Bačíková, PhD.					
<b>Date of last modification:</b> 03.09.2024					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚCHV/ ZCVU/22		<b>Course name:</b> Chemical Engineering			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 2., 4.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b> General and Inorganic Engineering; Mineral raw materials; Raw materials processing, transport and holding; Chemical reactors; Chemical metallurgy – Fe, Al, Cu working; Inorganic acids manufacture (H <sub>2</sub> SO <sub>4</sub> , HNO <sub>3</sub> , HCl, HF, H <sub>3</sub> PO <sub>4</sub> ); Industrial electrochemistry; Industrial fertilizers; Silicate industry – cement manufacture, ceramics; Petrochemistry					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 16					
A	B	C	D	E	FX
75.0	25.0	0.0	0.0	0.0	0.0
<b>Provides:</b> prof. RNDr. Zuzana Vargová, Ph.D.					
<b>Date of last modification:</b> 17.02.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚCHV/ CHE2/22		<b>Course name:</b> Chemical Excursion			
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 1t <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 4					
<b>Recommended semester/trimester of the course:</b> 2.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 21					
A	B	C	D	E	FX
90.48	9.52	0.0	0.0	0.0	0.0
<b>Provides:</b> prof. RNDr. Zuzana Vargová, Ph.D., RNDr. Martin Vavra, PhD.					
<b>Date of last modification:</b> 08.05.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚCHV/MSSU1/22		<b>Course name:</b> Chemistry and Didactics of Chemistry I			
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b>					
<b>Course level:</b> II.					
<b>Prerequisites:</b> (ÚCHV/SPC1a/22 or ÚCHV/SPC1a/03) and (ÚCHV/SPC1b/22 or ÚCHV/SPC1b/03) and (ÚCHV/DCH1/22 or ÚCHV/DCH1/15) and (ÚCHV/DCH2/22 or ÚCHV/DCH2/15) and ÚCHV/VKVACH/22					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 39					
A	B	C	D	E	FX
69.23	20.51	5.13	0.0	5.13	0.0
<b>Provides:</b>					
<b>Date of last modification:</b> 27.04.2023					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚCHV/MSSU1/14		<b>Course name:</b> Chemistry and Didactics of Chemistry I			
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b>					
<b>Course level:</b> II.					
<b>Prerequisites:</b> ÚCHV/DCH1/15 and ÚCHV/VKAU/04					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 116					
A	B	C	D	E	FX
56.9	25.86	13.79	2.59	0.86	0.0
<b>Provides:</b>					
<b>Date of last modification:</b>					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚCHV/MSSU2/22		<b>Course name:</b> Chemistry and Didactics of Chemistry II			
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b>					
<b>Course level:</b> II.					
<b>Prerequisites:</b> (ÚCHV/SPC1a/22 or ÚCHV/SPC1a/03) and (ÚCHV/SPC1b/22 or ÚCHV/SPC1b/03) and (ÚCHV/DCH1/22 or ÚCHV/DCH1/15) and (ÚCHV/DCH2/22 or ÚCHV/DCH2/15) and ÚCHV/VKOCB/22					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
<b>Provides:</b>					
<b>Date of last modification:</b> 27.04.2023					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> KPO/SDaM/15		<b>Course name:</b> Child and Adolescent Sociology			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 3.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 969					
A	B	C	D	E	FX
50.15	29.1	15.07	3.61	1.55	0.52
<b>Provides:</b> doc. Mgr. Alexander Onufrák, PhD.					
<b>Date of last modification:</b> 29.08.2024					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> KPE/MT/09		<b>Course name:</b> Class Management			
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 2.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 607					
A	B	C	D	E	FX
51.89	35.42	9.88	1.48	0.49	0.82
<b>Provides:</b> doc. PaedDr. Renáta Orosová, PhD.					
<b>Date of last modification:</b> 12.03.2024					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚCHV/MPPc/15	<b>Course name:</b> Continuous practice teaching I
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 4t <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 3.	
<b>Course level:</b> II.	
<b>Prerequisites:</b> ÚCHV/MPPb/15 and ÚCHV/DCH1/22 or ÚCHV/DCH1/15	
<b>Conditions for course completion:</b> 1. Compulsory attendance during the organisational and informational seminar. 2. Compulsory attendance: sitting in on classes, analytical classes at training schools. 3. Sitting in on classes and analytical classes with supervising teachers – 6x. 4. Teaching classes and analytical classes under supervision – 18x. 5. Submitted Continued practice teaching (CPT) I documentation. (Sitting-in records, Written class preparations, List of sitting-in sessions and trainee's performance during CPT I, CPT I report, Assessment of the trainee's pedagogical performance during CPT).	
<b>Learning outcomes:</b> The student can plan lessons and teach them. Present their own psychodidactic and subject-specific didactic concepts of teaching in the environment of a real school classroom. Apply the didactic skills developed during the previous observation of teaching in practice to teach chemistry. Evaluate one's own lesson project and professional competence level (areas: student, educational process, professional development) in terms of pedagogic theory and assessment provided by the supervising teacher.	
<b>Brief outline of the course:</b> Observation and analysis of chemistry lessons and teaching under the supervision of the supervising teacher. Written class preparation and teaching, active participation in extracurricular activities. Didactic Continued practice teaching I analysis.	
<b>Recommended literature:</b> Current chemistry textbooks for primary and secondary schools in the Slovak Republic.	
<b>Course language:</b>	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 176	
abs	n
100.0	0.0

<b>Provides:</b> doc. RNDr. Mária Ganajová, CSc., RNDr. Ivana Sotáková, Ph.D.
<b>Date of last modification:</b> 26.10.2021
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚGE/MPPc/15	<b>Course name:</b> Continuous practice teaching I
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 4t <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 3.	
<b>Course level:</b> II.	
<b>Prerequisites:</b> ÚGE/MPPb/15	
<b>Conditions for course completion:</b>	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b>	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 216	
abs	n
100.0	0.0
<b>Provides:</b> RNDr. Stela Csachová, PhD.	
<b>Date of last modification:</b> 15.11.2021	
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚGE/MPPd/15	<b>Course name:</b> Continuous practice teaching II
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 6t <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 4.	
<b>Course level:</b> II.	
<b>Prerequisites:</b> ÚGE/MPPc/15	
<b>Conditions for course completion:</b>	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b>	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 189	
abs	n
100.0	0.0
<b>Provides:</b> prof. Mgr. Jaroslav Hofierka, PhD., RNDr. Stela Csachová, PhD.	
<b>Date of last modification:</b> 15.11.2021	
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚCHV/MPPd/15	<b>Course name:</b> Continuous practice teaching II
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 6t <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 4.	
<b>Course level:</b> II.	
<b>Prerequisites:</b> ÚCHV/MPPc/15 and ÚCHV/DCH2/22	
<b>Conditions for course completion:</b> 1. Compulsory attendance during the organisational and informational seminar. 2. Compulsory attendance: sitting in on classes, analytical classes at training schools. 3. Complete 8 lessons: sitting in on classes and analytical classes with supervising teachers. 4. Teaching classes and analytical classes under supervision – 30x. 5. Submit Continued practice teaching (CPT) II documentation. (Trainee's sitting-in and teaching schedule, Sitting-in records, Written class preparations, List of sitting-in sessions and trainee's performance during CPT II, CPT II report, Assessment of the trainee's pedagogical performance during CPT).	
<b>Learning outcomes:</b> The student can plan a series of lessons and other forms of instruction and teach them continually. Apply the pedagogic as well as subject-specific theory in practical teaching. Apply the didactic skills developed during the previous teaching practice completed in the actual educational environment. Evaluate one's own lesson project and professional competence level (areas: student, educational process, professional development) in terms of pedagogic theory and evaluation provided by the supervising teacher.	
<b>Brief outline of the course:</b> Observation and analysis of chemistry lessons and teaching under supervision. Written class preparation and teaching, active participation in extracurricular activities. Didactic Continued practice teaching (CPT) II analysis.	
<b>Recommended literature:</b> Current chemistry textbooks for primary and secondary schools in the Slovak Republic.	
<b>Course language:</b>	
<b>Notes:</b>	

<b>Course assessment</b>	
Total number of assessed students: 155	
abs	n
100.0	0.0
<b>Provides:</b> doc. RNDr. Mária Ganajová, CSc., RNDr. Ivana Sotáková, Ph.D.	
<b>Date of last modification:</b> 17.11.2021	
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> KPE/ TTUP/15		<b>Course name:</b> Creating Text Teaching Aids			
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: 2 Per study period: 28</b> <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 2.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 273					
A	B	C	D	E	FX
57.14	31.5	8.06	2.56	0.73	0.0
<b>Provides:</b> doc. PaedDr. Renáta Orosová, PhD., Mgr. Zuzana Vagaská, PhD.					
<b>Date of last modification:</b> 12.03.2024					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/ KVS/21		<b>Course name:</b> Crises in the world			
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 3					
<b>Recommended semester/trimester of the course:</b> 2.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 6					
A	B	C	D	E	FX
100.0	0.0	0.0	0.0	0.0	0.0
<b>Provides:</b> RNDr. Stela Csachová, PhD., doc. Mgr. Ladislav Novotný, PhD.					
<b>Date of last modification:</b> 27.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> KPPaPZ/VPU/17	<b>Course name:</b> Developmental Psychology for Teachers
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: 2 Per study period: 28</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 1.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> active participation in seminars - 20% seminar work according to the current instructions on the electronic bulletin board- 40% final test - 40% Detailed and updated information will be posted on the electronic board	
<b>Learning outcomes:</b> The graduate will understand the principles of developmental psychology, and will be able to characterize the norm in separate developmental stages with a specific focus on the period of school age and adolescence. As part of the seminar work, a students will process current knowledge published in foreign journals. They will have a knowledge about the current social discourse on the topics covered. The graduate will be able to consider various aspects of the possible influence of parents and friends on the development of piupils and apply the knowledge of developmental psychology in the practice of the teacher.	
<b>Brief outline of the course:</b> Determinants and factors of development, cognitive development, personality development. Socialization in separate developmental stages (family, peers, school). Specifics of development in the period of school age, in pubescence and adolescence. Parents and their role in child development. Application of knowledge of developmental psychology in the teacher's practice - communication with students in different developmental stages, creating a teacher-student relationship with respect to the development needs of the student.	
<b>Recommended literature:</b> Bačíková a kol. (2023). Keď dieťa potrebuje nielen psychológa. Grada publishing. Vágnerová, M. Vývojová psychologie. Portál, Praha 2000 Říčan, P. Cesta životem. Portál, Praha, 2004. Thorová, K. Vývojová psychologie. Portál, Praha, 2015. Macek, P. Adolescence. Praha: Portál, 2003 Matějček, Z. - rôzne diela Bačíková, M. Psychológia rodičovskej kontroly, Šafárik Press, Košice 2019	
<b>Course language:</b>	

<b>Notes:</b>					
<b>Course assessment</b>					
Total number of assessed students: 109					
A	B	C	D	E	FX
77.98	15.6	3.67	2.75	0.0	0.0
<b>Provides:</b> doc. Mgr. Mária Bačíková, PhD.					
<b>Date of last modification:</b> 03.09.2024					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚCHV/ DCH1/22	<b>Course name:</b> Didactics of Chemistry I
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 4	
<b>Recommended semester/trimester of the course:</b> 2.	
<b>Course level:</b> II.	
<b>Prerequisites:</b> ÚCHV/SPC1a/22	
<b>Conditions for course completion:</b> 1. Participations in seminars (also applies to the online form of teaching). Students are required to participate in seminars. The students can excuse themselves (incapacity for work, family reasons, etc.) for a maximum of two seminars during the semester without the need for replacement. In the case of a longer-term justified absence (for example due to incapacity for work), the student will be assigned an alternative form of mastering the missed curriculum. 2. Active participation in class. Seminars are conducted in a form in which students are active – students present assignments, which include worksheets. The student is obliged to prepare 2 written assignments and a micro-output, which will be one of the conditions for participation in the exam. Topics of micro-outputs as well as requirements will be available through the e-learning portal LMS Moodle (direct link to the website: <a href="https://lms.upjs.sk/">https://lms.upjs.sk/</a> ) in the course Didactics of Chemistry I. 3. The content of the seminars also includes assignments of seminar papers, which the student submits to the course Didactics of Chemistry I. 4. The student must pass a continuous assessment in the form of a written exam twice a semester. 5. Passing the exam: the exam is conducted in person as an oral exam. In times of a pandemic situation, the written form of the exam is conducted through the Google Form application. Students fill in the answers to the written test. Test questions are always randomly generated. The final assessment in the course consists of the sum of points obtained for: 1. Seminar work (0-20 points) 2. Continuous assessment (0-30 points) 3. Oral exam (0-50 points) <b>Conditions for successful completion of the course:</b> In order to obtain an A rating, it is necessary to obtain at least 85 points in total, to obtain an B rating at least 75 points, to obtain a C rating at least 65 points, to obtain a D rating at least 55 points and to obtain an E rating at least 45 points.	
<b>Learning outcomes:</b> The student will acquire knowledge and necessary skills for the work of teachers in the field of didactics of general and inorganic chemistry. Can implement inquiry-based learning and digital tools in the teaching of topics from these fields of chemistry at primary school and grammar school with a focus on the use of videos, models, animations, simulations, interactive games	

and exercises (<https://viki.iedu.sk/landing>, <https://phet.colorado.edu/sk/>, <https://www.olabs.edu.in/>, <https://studiumchemie.cz/>). Expand your knowledge and skills on how to carry out demonstration experiments and projected experiments using a digital visualizer.

**Brief outline of the course:**

1. Introduction to didactics of chemistry. History of chemistry didactics and its current state. Teacher preparation for teaching (basic curricular documents: State educational program, school educational program, curricula, thematic educational plan, teacher preparation for a lesson).
2. Teaching aids in chemistry. Information and communication technologies in chemistry teaching.
3. School chemical experiment in chemistry teaching, demonstration and projected experiments.
4. Nomenclature of inorganic chemistry. Use of didactic games.
5. Didactics of calculation tasks in chemistry. Chemical calculations with a focus on the chemistry of everyday life.
6. Didactics of the topic Matter, substance, mixture. Inquiry methods in teaching the topic Mixtures and separation of components of mixtures. Inquiry-based method in teaching chemistry.
7. Didactics of the topic Atom, its composition and structure.
8. Didactics of the topic Chemical bonding.
9. Didactics of the topic Periodic table of elements. Interactive periodic table of elements at the Institute of Chemistry Faculty of Science, P. J. Šafárik University in Košice.
10. Didactics of the topic Chemical process. Thermochemistry and Chemical Kinetics.
11. Didactics of the topic Chemical process. Types of chemical reactions. Practical use of redox events. Electrolysis. Galvanic cells. Inquiry activities, computer-based experiments and projected experiments using a digital visualizer on the topic of Chemical process.
12. Presentation of micro-outputs on assigned topics.

**Recommended literature:**

1. GANAJOVÁ, M.: Vybrané kapitoly zo všeobecnej didaktiky chémie. UPJŠ v Košiciach, Prírodovedecká fakulta, 2009, 141 s. ISBN 978-80-7097-756-9.
2. KIREŠ, M., JEŠKOVÁ, Z., GANAJOVÁ, M., KIMÁKOVÁ, K.: Bádateľské aktivity v prírodovednom vzdelávaní. Časť A. Bratislava: ŠPÚ, 2016. ISBN 978-80-8118-155-9. [https://www.statpedu.sk/files/articles/nove\\_dokumenty/ucebnice-metodiky-publikacie/badatske-aktivity/01cast\\_a\\_web.pdf](https://www.statpedu.sk/files/articles/nove_dokumenty/ucebnice-metodiky-publikacie/badatske-aktivity/01cast_a_web.pdf)
3. GANAJOVÁ, M., KRISTOFOVÁ, M.: Bádateľské aktivity v prírodovednom vzdelávaní. Časť B. Ukážky vytvorených metodických a pracovných materiálov z predmetu Chémia. Bratislava: ŠPÚ, 2016. [https://www.statpedu.sk/files/articles/nove\\_dokumenty/ucebnice-metodiky-publikacie/badatske-aktivity/04cast\\_b\\_chemia\\_web.pdf](https://www.statpedu.sk/files/articles/nove_dokumenty/ucebnice-metodiky-publikacie/badatske-aktivity/04cast_b_chemia_web.pdf)
4. GANAJOVÁ a kol.: Zbierka inovatívnych metodík z chémie pre základné školy. Doplnené vydanie. Bratislava: CVTI SR, 2021. ISBN 978-80-8240-007-9. <https://vzdelavanie.itakademia.sk/vystupy/zim-che-zs.pdf>
5. GANAJOVÁ a kol.: Zbierka inovatívnych metodík z chémie pre stredné školy. Doplnené vydanie. Bratislava: CVTI Bratislava: CVTI SR, 2021. ISBN 978-80-8240-008-6. <https://vzdelavanie.itakademia.sk/vystupy/zim-che-ss.pdf>
6. GANAJOVÁ, M.: Metodika tvorby učebných úloh a didaktických testov pre chémiu. Košice: UPJŠ, 2015. ISBN 978-80-8152-237-6. <https://unibook.upjs.sk/sk/prirodovedecka-fakulta/445-metodika-tvorby-ucebnych-uloh-a-didaktickych-testov-pre-chemiu>
7. GANAJOVÁ a kol.: Rozvíjanie kompetencií žiakov prostredníctvom učebných úloh z chémie. Bratislava: ŠPÚ, 2018. ISBN 978-80-8118-215-0. <https://www.statpedu.sk/files/sk/publikacna-cinnost/publikacie/spu-chemia-2018-web.pdf>
8. GANAJOVÁ, M., BRESTENSKÁ, B., GUNIŠ, J., JEŠKOVÁ, Z., KIREŠ, M., LEŠKOVÁ, A., LUKÁČ, S., OROSOVÁ, R., SOTÁKOVÁ, I., SZARKA, K., ŠNAJDER, L.: Formatívne

hodnotenie vo výučbe prírodných vied, matematiky a informatiky. 1. vyd. UPJŠ v Košiciach, 2021, 450 s. ISBN 978-80-8152-973-3.

9. Inovovaný štátny vzdelávací program pre 2. stupeň ZŠ. Človek a príroda. Chémia.

[https://www.statpedu.sk/files/articles/dokumenty/inovovany-statny-vzdelavaci-program/chemia\\_nsv\\_2014.pdf](https://www.statpedu.sk/files/articles/dokumenty/inovovany-statny-vzdelavaci-program/chemia_nsv_2014.pdf)

10. Inovovaný štátny vzdelávací program pre gymnázia so štvorročným a päťročným vzdelávacím programom. Človek a príroda. Chémia. [https://www.statpedu.sk/files/articles/dokumenty/inovovany-statny-vzdelavaci-program/chemia\\_g\\_4\\_5\\_r.pdf](https://www.statpedu.sk/files/articles/dokumenty/inovovany-statny-vzdelavaci-program/chemia_g_4_5_r.pdf)

11. Učebnice chémie pre základné školy a gymnáziá.

12. E – learning kurz: Didaktika chémie I, <https://lms.upjs.sk/>

**Course language:**

**Notes:**

**Course assessment**

Total number of assessed students: 42

A	B	C	D	E	FX
69.05	16.67	11.9	0.0	2.38	0.0

**Provides:** doc. RNDr. Mária Ganajová, CSc., RNDr. Ivana Sotáková, Ph.D., RNDr. Martin Vavra, PhD.

**Date of last modification:** 08.05.2022

**Approved:** prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚCHV/ DCH2/22	<b>Course name:</b> Didactics of Chemistry II
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 4	
<b>Recommended semester/trimester of the course:</b> 3.	
<b>Course level:</b> II.	
<b>Prerequisites:</b> ÚCHV/DCH1/22 or ÚCHV/DCH1/15	
<b>Conditions for course completion:</b> 1. Participations in seminars (also applies to the online form of teaching). Students are required to participate in seminars. The students can excuse themselves (incapacity for work, family reasons, etc.) for a maximum of two seminars during the semester without the need for replacement. In the case of a longer-term justified absence (for example due to incapacity for work), the student will be assigned an alternative form of mastering the missed curriculum. 2. Active participation in class. Seminars are conducted in a form in which students are active – students present assignments, which include worksheets. The student is obliged to prepare 2 written assignments, which will be one of the conditions for participation in the exam. Topics of written assignments as well as requirements will be available through the e-learning portal LMS Moodle (direct link to the website: <a href="https://lms.upjs.sk/">https://lms.upjs.sk/</a> ) in the course Didactics of Chemistry II. 3. The content of the seminars also includes assignments of seminar papers, which the student submits to the course Didactics of Chemistry II. 4. The student must pass a continuous assessment in the form of a written exam twice a semester. 5. Passing the exam: Passing the exam: the exam is conducted in person as an oral exam. In times of a pandemic situation, the written form of the exam is conducted through the Google Form application. Students fill in the answers to the written test. Test questions are always randomly generated. The final assessment in the course consists of the sum of points obtained for: 1. Written assignments (0-20 points) 2. Seminar work (0-10 points) 3. Written tests (0-20 points) 5. Oral exam (50 points) Conditions for successful completion of the course: In order to obtain an A rating, it is necessary to obtain at least 85 points in total, to obtain an B rating at least 75 points, to obtain a C rating at least 65 points, to obtain a D rating at least 55 points and to obtain an E rating at least 45 points.	
<b>Learning outcomes:</b> Student will acquire knowledge and necessary skills for the work of teachers in the field of didactics of inorganic and organic chemistry as well as in selected topics of didactics of biochemistry. Can implement inquiry-based learning and digital tools in the teaching of topics from these fields of chemistry at primary school and	

grammar school with a focus on the use of videos, models, animations, simulations, interactive games and exercises (<https://viki.iedu.sk/landing>, <http://kekule.science.upjs.sk/chemia/index.htm>, <https://studiumchemie.cz/>, <http://www.studiumbiochemie.cz/aplikace2.html#10>, <http://didaktikabiochemie.natur.cuni.cz/db2020/db.html>). He is able to include selected topics with an interdisciplinary focus (water quality, greenhouse effect, ozone hole, renewable energy sources) into teaching.

**Brief outline of the course:**

1. Didactics of inorganic chemistry – selected chemical elements and their inorganic compounds. Alkali metals, alkaline earth metals, selected transition elements. Use of SATL method in teaching chemistry, complex tasks focused on the development of transformation skills.
2. Didactics of the topic Air, Global environmental problems: Ozone and the ozone hole, Greenhouse effect.
3. Didactics of inorganic chemistry – selected chemical elements and their inorganic compounds. Alkali metals, alkaline earth metals, selected transition elements. Use of SATL method in teaching chemistry, complex tasks focused on the development of transformation skills.
4. Didactics of organic chemistry. Isomerism in the teaching of organic chemistry - Constitutional isomerism and stereoisomerism.
5. Didactics of the topic Hydrocarbons and hydrocarbon derivatives. SATL method. Energy sources - fossil fuels and renewable energy sources.
6. Plastics, chemistry of macromolecular substances. Use of inquiry-based method in teaching topics: Recognition of plastics, Properties of plastics.
7. Didactics of the topic Natural substances. Use of inquiry-based learning and project-based learning in topics: Proteins, Carbohydrates, Lipids. Home experiments on Proteins, Carbohydrates, Fats.
8. Didactics of the topic Washing and cleaning agents.
9. Didactics of the topic Additives in food. Didactics of the topic Vitamins. Didactics of selected topics from biochemistry Biosynthesis and metabolism, digestion and metabolism.

**Recommended literature:**

1. GANAJOVÁ, M. KALAFUTOVÁ, J. a kol.: Projektové vyučovanie v chémii. Didaktická príručka pre učiteľov základných škôl. Bratislava: Štátny pedagogický ústav, 2010. 144 s. ISBN 978-80-8118-058-3.
2. KIREŠ, M., JEŠKOVÁ, Z., GANAJOVÁ, M., KIMÁKOVÁ, K.: Bádateľské aktivity v prírodovednom vzdelávaní. Časť A. Bratislava: ŠPÚ, 2016. ISBN 978-80-8118-155-9. [https://www.statpedu.sk/files/articles/nove\\_dokumenty/ucebnice-metodiky-publikacie/badatske-aktivity/01cast\\_a\\_web.pdf](https://www.statpedu.sk/files/articles/nove_dokumenty/ucebnice-metodiky-publikacie/badatske-aktivity/01cast_a_web.pdf)
3. GANAJOVÁ, M., KRISTOFOVÁ, M.: Bádateľské aktivity v prírodovednom vzdelávaní. Časť B. Ukážky vytvorených metodických a pracovných materiálov z predmetu Chémia. Bratislava: ŠPÚ, 2016. [https://www.statpedu.sk/files/articles/nove\\_dokumenty/ucebnice-metodiky-publikacie/badatske-aktivity/04cast\\_b\\_chemia\\_web.pdf](https://www.statpedu.sk/files/articles/nove_dokumenty/ucebnice-metodiky-publikacie/badatske-aktivity/04cast_b_chemia_web.pdf)
4. GANAJOVÁ a kol.: Zbierka inovatívnych metodík z chémie pre základné školy. Doplnené vydanie. Bratislava: CVTI SR, 2021. ISBN 978-80-8240-007-9. <https://vzdelavanie.itakademia.sk/vystupy/zim-che-zs.pdf>
5. GANAJOVÁ a kol.: Zbierka inovatívnych metodík z chémie pre stredné školy. Doplnené vydanie. Bratislava: CVTI SR, 2021. ISBN 978-80-8240-008-6. <https://vzdelavanie.itakademia.sk/vystupy/zim-che-ss.pdf>
6. GANAJOVÁ, M.: Metodika tvorby učebných úloh a didaktických testov pre chémiu. Košice: UPJŠ, 2015. ISBN 978-80-8152-237-6. <https://unibook.upjs.sk/img/cms/2015/pf/didaktika-textyganajova.pdf>

7. GANAJOVÁ a kol.: Rozvíjanie kompetencií žiakov prostredníctvom učebných úloh z chémie. Bratislava: ŠPÚ, 2018. ISBN 978-80-8118-215-0. <https://www.statpedu.sk/files/sk/publikacna-cinnost/publikacie/spu-chemia-2018-web.pdf>
8. GANAJOVÁ, M., BRESTENSKÁ, B., GUNIŠ, J., JEŠKOVÁ, Z., KIREŠ, M., LEŠKOVÁ, A., LUKÁČ, S., OROSOVÁ, R., SOTÁKOVÁ, I., SZARKA, K., ŠNAJDER, Ľ.: Formatívne hodnotenie vo výučbe prírodných vied, matematiky a informatiky. 1. vyd. UPJŠ v Košiciach, 2021, 450 s. ISBN 978-80-8152-973-3.
9. Inovovaný štátny vzdelávací program pre 2. stupeň ZŠ. Človek a príroda. Chémia. [https://www.statpedu.sk/files/articles/dokumenty/inovovany-statny-vzdelavaci-program/chemia\\_nsv\\_2014.pdf](https://www.statpedu.sk/files/articles/dokumenty/inovovany-statny-vzdelavaci-program/chemia_nsv_2014.pdf)
10. Inovovaný štátny vzdelávací program pre gymnázia so štvorročným a päťročným vzdelávacím programom. Človek a príroda. Chémia. [https://www.statpedu.sk/files/articles/dokumenty/inovovany-statny-vzdelavaci-program/chemia\\_g\\_4\\_5\\_r.pdf](https://www.statpedu.sk/files/articles/dokumenty/inovovany-statny-vzdelavaci-program/chemia_g_4_5_r.pdf)
11. Školský informačný systém. Chémia. <http://kekule.science.upjs.sk/chemia/index.htm>
12. E – learning kurz: Didaktika chémie II, <https://lms.upjs.sk/>

**Course language:**

**Notes:**

**Course assessment**

Total number of assessed students: 39

A	B	C	D	E	FX
89.74	10.26	0.0	0.0	0.0	0.0

**Provides:** doc. RNDr. Mária Ganajová, CSc., RNDr. Ivana Sotáková, Ph.D., RNDr. Martin Vavra, PhD.

**Date of last modification:** 08.05.2022

**Approved:** prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚCHV/ DPP1/22	<b>Course name:</b> Diploma Project I
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 1.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b>	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b>	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 30	
abs	n
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 16.02.2022	
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚCHV/ DPP2/22	<b>Course name:</b> Diploma Project II
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b> 2.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b>	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b>	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 31	
abs	n
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 16.02.2022	
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚCHV/ DPP3/22	<b>Course name:</b> Diploma Project III
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b> 3.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b>	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b>	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 23	
abs	n
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 16.02.2022	
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚCHV/DPOU/22		<b>Course name:</b> Diploma Thesis and its Defence			
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 14					
<b>Recommended semester/trimester of the course:</b>					
<b>Course level:</b> II.					
<b>Prerequisites:</b> ÚCHV/DPP3/22					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 18					
A	B	C	D	E	FX
83.33	16.67	0.0	0.0	0.0	0.0
<b>Provides:</b>					
<b>Date of last modification:</b> 17.02.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/ DPOU1/21		<b>Course name:</b> Diploma Thesis and its Defence			
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 14					
<b>Recommended semester/trimester of the course:</b>					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 18					
A	B	C	D	E	FX
50.0	16.67	22.22	5.56	0.0	5.56
<b>Provides:</b>					
<b>Date of last modification:</b> 27.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/ DSE1/21		<b>Course name:</b> Diploma seminar 1			
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 3					
<b>Recommended semester/trimester of the course:</b> 3.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 32					
A	B	C	D	E	FX
50.0	34.38	15.63	0.0	0.0	0.0
<b>Provides:</b> prof. Mgr. Jaroslav Hofierka, PhD.					
<b>Date of last modification:</b> 27.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/ DSE2/21		<b>Course name:</b> Diploma seminar 2			
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 3					
<b>Recommended semester/trimester of the course:</b> 4.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 31					
A	B	C	D	E	FX
54.84	35.48	9.68	0.0	0.0	0.0
<b>Provides:</b> prof. Mgr. Jaroslav Hofierka, PhD.					
<b>Date of last modification:</b> 27.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚCHV/ DSU1a/10	<b>Course name:</b> Diplomový seminár z chémie pre XCH
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 2.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b>	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b>	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 13	
abs	n
100.0	0.0
<b>Provides:</b> doc. RNDr. Mária Ganajová, CSc., RNDr. Ivana Sotáková, Ph.D.	
<b>Date of last modification:</b> 21.01.2022	
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.	



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚCHV/DSU1b/21	<b>Course name:</b> Diplomový seminár z chémie pre XCH
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 3.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b>	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b>	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 2	
abs	n
100.0	0.0
<b>Provides:</b> doc. RNDr. Mária Ganajová, CSc., RNDr. Ivana Sotáková, Ph.D.	
<b>Date of last modification:</b> 09.02.2022	
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> KPPaPZ/PUDU/15	<b>Course name:</b> Drug Addiction Prevention in Educational Practice
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 1 <b>Per study period:</b> 28 / 14 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 4	
<b>Recommended semester/trimester of the course:</b> 1., 3.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> 1st part of the semester evaluation: active participation in the training part (30p). 2nd part of the semester evaluation: active participation in workshops (20p) 3rd part of the semester evaluation - preparation (10p) and implementation (10p) of block activities (20p, minimum 11 points). 4th part of the evaluation - written knowledge exam (20p, minimum 11 points). In total, students can get 90p and the final grade is as follows: 90 - 82: A 81 - 73: B 72 - 66: C 65 - 59: D 58 - 54: E 53 and less: FX. Detailed information in the electronic bulletin board of the course in AIS2. The teaching of the subject will be realized by a combined method.	
<b>Learning outcomes:</b> The student understands principals of research data based prevention of risk behavior, can describe and explain the determinants of risk behavior as well as protective and risk factors for substance use. Understands and adequately interprets the theory explaining the background of substance and non-substance addictions. The student is also able to state and classify the types and forms of prevention, strategies and approaches in prevention, can distinguish effective strategies from ineffective ones. The student is able to apply the learned rules, procedures and competencies for the work of a teacher in the field of drug use prevention, as well as the acquired professional skills for the work of a teacher and prevention coordinator at school.	
<b>Brief outline of the course:</b> Psychological, pedagogical-psychological, medical and legal-forensic aspects of substance use prevention Prevention of substance use based on risk and resilience Primary, secondary and tertiary prevention of substance use Universal, selective and indicated prevention of substance use Effective substance prevention strategies based on research data Preparation and implementation of components of effective substance use prevention programs	
<b>Recommended literature:</b> Orosová, O. a kol. (2012). Základy prevencie užívania drog a problematického používania internetu v školskej praxi. Košice: UPJŠ.	

Sloboda, Z., & Bukoski, J. (Eds.). (2006). Handbook of Drug Abuse Prevention: Theory, Science, and Practice. New York: Springer. National and international scientific journals.					
<b>Course language:</b> slovak					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 420					
A	B	C	D	E	FX
50.71	41.43	7.14	0.71	0.0	0.0
<b>Provides:</b> prof. PhDr. Oľga Orosová, CSc., Mgr. Viera Čurová, PhD., Mgr. Janka Liptáková, PhDr. Anna Janovská, PhD., Mgr. Zuzana Michalove					
<b>Date of last modification:</b> 24.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> KPPaPZ/VP/09		<b>Course name:</b> Educational Counselling			
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 2.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 233					
A	B	C	D	E	FX
73.82	16.31	6.44	2.58	0.86	0.0
<b>Provides:</b> PhDr. Anna Janovská, PhD.					
<b>Date of last modification:</b> 14.09.2024					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> KPE/ ZSP/15		<b>Course name:</b> Essentials of Special Education			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 3.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 702					
A	B	C	D	E	FX
55.98	24.22	11.11	5.13	2.85	0.71
<b>Provides:</b> PaedDr. Michal Novocký, PhD.					
<b>Date of last modification:</b> 14.09.2024					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> KPE/ ZZP/12		<b>Course name:</b> Experiential Education			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 4					
<b>Recommended semester/trimester of the course:</b> 1., 3.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 410					
A	B	C	D	E	FX
44.63	37.8	13.66	3.66	0.24	0.0
<b>Provides:</b> doc. PaedDr. Renáta Orosová, PhD., Mgr. Beáta Sakalová, PhD.					
<b>Date of last modification:</b> 14.09.2024					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/TER/21		<b>Course name:</b> Field teaching			
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 2.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 19					
A	B	C	D	E	FX
89.47	10.53	0.0	0.0	0.0	0.0
<b>Provides:</b> RNDr. Alena Gessert, PhD., univerzitná docentka					
<b>Date of last modification:</b> 27.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/ GEOD/21		<b>Course name:</b> Geography and didactics of geography			
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b>					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 33					
A	B	C	D	E	FX
33.33	18.18	18.18	21.21	6.06	3.03
<b>Provides:</b>					
<b>Date of last modification:</b> 14.07.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/ GCR1/21		<b>Course name:</b> Geography of the Czech Republic			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 1 <b>Per study period:</b> 28 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 4					
<b>Recommended semester/trimester of the course:</b> 1.					
<b>Course level:</b> I., II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 11					
A	B	C	D	E	FX
18.18	18.18	45.45	18.18	0.0	0.0
<b>Provides:</b> Mgr. Marián Kulla, PhD., doc. Mgr. Ladislav Novotný, PhD., Mgr. Imrich Sládek, PhD.					
<b>Date of last modification:</b> 27.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/ GDL/21		<b>Course name:</b> Geography of transport and logistics			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 3					
<b>Recommended semester/trimester of the course:</b> 3.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 4					
A	B	C	D	E	FX
75.0	25.0	0.0	0.0	0.0	0.0
<b>Provides:</b> Mgr. Marián Kulla, PhD., doc. Mgr. Ladislav Novotný, PhD.					
<b>Date of last modification:</b> 27.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> KPPaPZ/PsZ/15	<b>Course name:</b> Health Psychology
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: 2 Per study period: 28</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 4.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Active participation in seminars, preparation and presentation of seminar work, final evaluation	
<b>Learning outcomes:</b> The aim of the course is to provide students with the latest knowledge and background of Health Psychology as well as forms of its application in order to improve the mental and physical health of individuals and society. The graduate of the course will understand the principles of health psychology, will be familiar with the current social discourse on the topics covered. The student will learn to use the acquired knowledge in school practice.	
<b>Brief outline of the course:</b> <ol style="list-style-type: none"> <li>1. Health psychology. Definition of health. Bio-psycho-social model of health.</li> <li>2. Mental health and quality of life, well being.</li> <li>3. Physiological aspects of mental health, lifestyle</li> <li>4. Stress. Coping, resilience.</li> <li>5. Psychosomatic diseases, placebo.</li> <li>6. Social support and its importance for health.</li> <li>7. Burnout syndrome.</li> <li>8. The meaning of life, faith.</li> <li>9. Health-related behavior and prevention. Risky behavior, excessive use of the Internet and screens.</li> <li>10. Socio-economic inequalities in health. Unemployment and health.</li> </ol>	
<b>Recommended literature:</b> Křivohlavý, J.: Psychologie zdraví. Praha: Portál, 2001 Kebza, V.: Psychosociální determinanty zdraví. Praha: Academia, 2005 Křivohlavý, J.: Psychologie nemoci. Praha : Grada, 2002 Sarafino, E.P.: Health Psychology: Biopsychosocial Interactions, John Wiley & Sons, 2007 Taylor, E.: Health Psychology. Singapore: McGraw-Hill, 2006 Vollrath M.E.: Handbook of Personality and Health. Chichester: John Wiley & Sons, 2006	
<b>Course language:</b>	
<b>Notes:</b>	

<b>Course assessment</b>					
Total number of assessed students: 122					
A	B	C	D	E	FX
100.0	0.0	0.0	0.0	0.0	0.0
<b>Provides:</b> doc. Mgr. Gabriel Baník, PhD.					
<b>Date of last modification:</b> 22.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/ HOS/23		<b>Course name:</b> Hospodárska geografia Slovenska			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 3					
<b>Recommended semester/trimester of the course:</b> 2.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
<b>Provides:</b> Mgr. Marián Kulla, PhD.					
<b>Date of last modification:</b> 23.02.2023					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/ ZAE2/18		<b>Course name:</b> International Excursion 2			
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 10d <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 5					
<b>Recommended semester/trimester of the course:</b> 2.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 65					
A	B	C	D	E	FX
53.85	15.38	12.31	12.31	6.15	0.0
<b>Provides:</b> doc. Mgr. Ladislav Novotný, PhD., Mgr. Loránt Pregi, PhD., Mgr. Marián Kulla, PhD.					
<b>Date of last modification:</b> 27.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> KPPaPZ/UPN/17	<b>Course name:</b> Introduction into Psychology of Religion
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: 2 Per study period: 28</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 2.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> The assessment is based on the interim evaluation. The subject will be taught in both present and distance format. Up-to-date information concerning the subject for the given academic year can be found on the electronic board of the subject in the Academic information system of the UPJŠ.	
<b>Learning outcomes:</b> The student will acquire a basic overview of the origin and current state of knowledge in the field of research and application the psychology of religion. He/she will be able to described, explaine, and evaluate this knowlege. The student will be able to apply the acquired knowledge in the basic orientation in the field, and develop critical thinking and will be able to apply and integrate already acquired knowledge from other (psychological) distributions	
<b>Brief outline of the course:</b> <ol style="list-style-type: none"> <li>1. History of psychology of religion in national and world context</li> <li>2. Psychological perspective on religion and religious experience</li> <li>3. Psychology of religion in an interdisciplinary context</li> <li>4. Basic approaches to psychological interpretation and selected views</li> <li>5. Different types of religious experience</li> <li>6. Psychological view of religion from a biodromal perspective</li> <li>7. Spirituality versus religiosity in a postmodern society</li> <li>8. Coping in the context of religiosity</li> <li>9. Psychotherapy and religion, pastoral psychology</li> </ol>	
<b>Recommended literature:</b> Eliade, M. (1994). Posvátné a profánní. Praha: Česká křesťanská akademie. Eliade, M. (1995). Dějiny náboženského myšlení 1. Praha: Oikoymenh. Freud, S. (1999). Nutkavá jednání a náboženské úkony. In Freud, S., Spisy z let 1906–1909. Praha: Psychoanalytické nakladatelství. Fromm, E. (2003). Psychoanalýza a náboženství. Praha: Aurora Erikson, E. (1996). Mladý muž Luther: studie psychoanalytická a historická. Praha: Psychoanalytické nakladatelství. James, W. (1930). Druhy náboženské zkušenosti. Praha: Melantrich. Jung, C. G. (1993). Analytická psychologie: Její teorie a praxe. Praha: Academia.	

Křivohlavý, J. (2000). Pastorální péče. Praha: Oliva Pargament, K. (1997), Psychology of religion and coping, Říčan, P. (2007). Psychologie náboženství a spirituality. Praha: Portál. Říčan P. (2002), Psychologie náboženství, Portál, Praha, Stríženec, M. (2001) Súčasná psychológia náboženstva					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 77					
A	B	C	D	E	FX
100.0	0.0	0.0	0.0	0.0	0.0
<b>Provides:</b> Mgr. Jozef Benka, PhD.					
<b>Date of last modification:</b> 24.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚCHV/ UECH/22	<b>Course name:</b> Introduction to Environmental Chemistry
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 1., 3.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Continuous test. Active participation in exercises - elaboration of semester work. Passing the final examination in the form of a written test.	
<b>Learning outcomes:</b> Introduction to topics in environmental chemistry and basic procedures applied for environmental protection.	
<b>Brief outline of the course:</b> Introduction to Environmental Chemistry Chemical aspects of pollution and environmental problems. Composition and behavior of the atmosphere. Energy balance of the Earth and climate changes. Principles of photochemistry, photoprocesses in the atmosphere. Petroleum, hydrocarbons and coal (characteristics, sources and environmental pollution). Soaps, polymers and synthetic surfactants. Haloorganics and pesticides. Environmental chemistry of some important elements (C, N, S, P, halogens, biologically important metals ...). Environmental chemistry in aqueous media. Aqueous systems, parameters, cycles and their protection. The Earth's crust (rocks, minerals, soils). Natural and artificial radioactivity, utilization. Energy and energy sources (fossil fuels, nuclear, geothermal, solar energy, wind and water energy). Solid waste disposal and recycling.	
<b>Recommended literature:</b> 1. Gary W. van Loon, Stephen J. Duffy: Environmental Chemistry - A Global Perspective, Oxford University Press, Oxford 2003. 2. R. A. Bailey, H. M. Clark, J. P. Ferris, S. Krause, R. L. Strong: Chemistry of the Environment, Academic Press, San Diego 2002. 3. G. Schwedt: The Essential Guide to Environmental Chemistry, Wiley and Sons, London 2001. 4. R. N. Reeve, J. D. Barnes: General Environmental Chemistry, Wiley, London 1994. 5. G. Burton, J. Holman, G. Pilling, D. Waddington: Chemical Storylines, Heinemann, Oxford, London 1994.	
<b>Course language:</b>	
<b>Notes:</b> In-person learning - lectures, seminars and examination. Students are required to attend seminars.	

Based on the current pandemic situation in Slovakia and in accordance with the conditions of the Faculty of Natural Sciences of UPJŠ in Košice, the education and examination can also be carried out in a distance form. The tutorial will be carried out in the form of online lectures and consultings in the BigBlueButton system.

**Course assessment**

Total number of assessed students: 9

A	B	C	D	E	FX
66.67	11.11	22.22	0.0	0.0	0.0

**Provides:** doc. RNDr. Andrea Straková Fedorková, PhD.

**Date of last modification:** 07.11.2022

**Approved:** prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> KPPaPZ/ZMPPV/15	<b>Course name:</b> Introduction to Research Methodology in Education and Psychology
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 4	
<b>Recommended semester/trimester of the course:</b> 2.	
<b>Course level:</b> II.	
<b>Prerequisites:</b> KPPaPZ/PPgU/15 and KPE/PDU/15	
<b>Conditions for course completion:</b> - active participation in seminars, presentation of assignments in groups, final exam	
<b>Learning outcomes:</b> The graduate of the course will gain information about the research methodology, will understand the basic methods of pedagogical and psychological research that can be used in the practice of the teacher. Within the seminars, students will develop professional skills through their own demonstration of a specific research method. The graduate of the course will be able to carry out simple scientific research, present the results of research and read the results of the latest research in the field of pedagogy and psychology.	
<b>Brief outline of the course:</b> Research in pedagogy and psychology. Scientific research, scientific thinking. Parts of a research project. Research planning. Topic selection, research problem formulation. Types of research plans. Hypothesis, variables, operationalization. Ethical issues of scientific research. Experiment (experiment problems, control of variables in the experiment). Experimental plans, quasi-experiment. Reliability and validity of research. Research sample, methods of sample selection. Data collection techniques - questionnaire, interview, sociometry, semantic differential, observation, tests. Introduction to qualitative methodology. Possibilities of quantitative data processing. How to write a scientific article, presentation, poster, qualification work. Interpretation of findings, integration of findings into context.	
<b>Recommended literature:</b> Bačíková, M., Janovská, A., Orosová, O. Základy metodológie pedagogicko-psychologického výskumu. 2.doplnené vydanie. Šafárik Press, 2019. dostupné online: <a href="https://unibook.upjs.sk/img/cms/2019/FF/zaklady-metodologie-ped-psych-vyskumu-2-vyd-web.pdf">https://unibook.upjs.sk/img/cms/2019/FF/zaklady-metodologie-ped-psych-vyskumu-2-vyd-web.pdf</a> Gavora, P.: Úvod do pedagogického výskumu. Bratislava, UK 1999. Švec, Š. a kol.: Metodológia vied o výchove. Bratislava, Iris 1998. Turek, I.: K základom pedagogického výskumu. Prešov, KPÚ 1991. Ferjenčík, J.: Úvod do metodológie psychologického výskumu. Praha, Portál 2000. <a href="http://www.e-metodologia.fedu.uniba.sk/">http://www.e-metodologia.fedu.uniba.sk/</a>	
<b>Course language:</b>	

<b>Notes:</b>					
<b>Course assessment</b>					
Total number of assessed students: 825					
A	B	C	D	E	FX
19.27	28.48	24.61	19.03	8.48	0.12
<b>Provides:</b> doc. Mgr. Mária Bačíková, PhD., PhDr. Anna Janovská, PhD.					
<b>Date of last modification:</b> 24.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/ KVA1/21		<b>Course name:</b> Landscape in the Quarternary			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 1 <b>Per study period:</b> 28 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 5					
<b>Recommended semester/trimester of the course:</b> 1.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 17					
A	B	C	D	E	FX
41.18	35.29	23.53	0.0	0.0	0.0
<b>Provides:</b> doc. Ing. Katarína Bónová, PhD., doc. Mgr. Michal Gallay, PhD.					
<b>Date of last modification:</b> 27.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/ DIDG/21		<b>Course name:</b> Methodology of Geography Teaching			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 1 <b>Per study period:</b> 28 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 4					
<b>Recommended semester/trimester of the course:</b> 1.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 54					
A	B	C	D	E	FX
40.74	46.3	11.11	0.0	1.85	0.0
<b>Provides:</b> RNDr. Stela Csachová, PhD., doc. RNDr. Ján Kaňuk, PhD., prof. Mgr. Jaroslav Hofierka, PhD., RNDr. Alena Gessert, PhD., univerzitná docentka					
<b>Date of last modification:</b> 27.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/MLK/21		<b>Course name:</b> Migration and human capital			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 3					
<b>Recommended semester/trimester of the course:</b> 2.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 10					
A	B	C	D	E	FX
20.0	50.0	30.0	0.0	0.0	0.0
<b>Provides:</b> Mgr. Loránt Pregi, PhD., doc. Mgr. Ladislav Novotný, PhD.					
<b>Date of last modification:</b> 27.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚFV/ MDT/19	<b>Course name:</b> Modern Didactical Technology
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: 2 Per study period: 28</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 2.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Summary evaluation based on ongoing assessment: 1. Active participation at the seminars (in the contact or online form) with minimum 80% participation. 2. Practical ongoing assignments (10) and their defense. At least 50% must be obtained from each assignment elaborated according to assessment criteria.	
<b>Learning outcomes:</b> Student graduated from subject will be able: - recognize current available digital tools and their parameters for educational activities, - to use all types of actual digital tools in education of science or humanities, - to design and realize educational activities by using the modern technologies.	
<b>Brief outline of the course:</b> 00. Introduction - goals and didactic principles 01. Modern hybrid classroom in 21st century 02. Digital learning spaces in 21st century 03. Cloud repositories, services, modern web-browser 04. Cloud editors for notes, texts, spreadsheets and presentations 05. Digital text (scan, OCR, voice recognition, Kami pdf) 06. Digital image and audio (digital recording and editing) 07. Interactive E-voting and videoconference systems in education 08. Digital collaborative technologies (social e-reader, collaborative whiteboard) 09. Virtual and digitally based experiments, digital databases 10. Education video (digital recording and editing) 11. Smartphone and tablet in classic and blended education 12. Teaching tools and digital teacher's workspace	
<b>Recommended literature:</b> 1. Kireš, M. et al.: Modern didactical technics in teacher practice (in Slovak), Košice: Elfa, 2010 2. Redecker, C., & Punie, Y. (2017). European Framework for the Digital Competence of Educators: DigCompEdu. Luxembourg: Publications Office of the European Union.	



3. C. R. Tucker, T. Wycoff, J. T. Green, Blended Learning in Action: A Practical Guide Toward Sustainable Change. Thousand Oaks: Corwin Press, 2016.
4. D. Bannister, Guidelines on Exploring and Adapting: LEARNING SPACES IN SCHOOLS. Brussels: European Schoolnet, 2017.
5. current information from web sites related to didactical technologies,  
catalogues of teaching tools,  
current articles about modern trends in science and humanities education.

**Course language:**

Slovak, English

**Notes:**

**Course assessment**

Total number of assessed students: 121

A	B	C	D	E	FX
56.2	27.27	12.4	2.48	1.65	0.0

**Provides:** doc. RNDr. Jozef Hanč, PhD.

**Date of last modification:** 07.07.2022

**Approved:** prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/ NTG1/18		<b>Course name:</b> Modern trends in geography teaching			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 3					
<b>Recommended semester/trimester of the course:</b> 3.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 71					
A	B	C	D	E	FX
81.69	15.49	2.82	0.0	0.0	0.0
<b>Provides:</b> RNDr. Stela Csachová, PhD., doc. RNDr. Ján Kaňuk, PhD., doc. Mgr. Michal Gallay, PhD., RNDr. Alena Gessert, PhD., univerzitná docentka					
<b>Date of last modification:</b> 01.10.2021					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> KPE/ PDK/17		<b>Course name:</b> Pedagogical Communication			
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 1.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 181					
A	B	C	D	E	FX
75.14	23.2	1.66	0.0	0.0	0.0
<b>Provides:</b> Mgr. Beáta Sakalová, PhD.					
<b>Date of last modification:</b> 14.09.2024					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> KPE/ PDD/17		<b>Course name:</b> Pedagogical Diagnostics			
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 2.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 113					
A	B	C	D	E	FX
85.84	10.62	3.54	0.0	0.0	0.0
<b>Provides:</b> PaedDr. Michal Novocký, PhD., Mgr. Beáta Sakalová, PhD.					
<b>Date of last modification:</b> 12.03.2024					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> KPE/ PD/22	<b>Course name:</b> Pedagogy
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> II.	
<b>Prerequisites:</b> KPE/PDU/15	
<b>Conditions for course completion:</b> Obtaining the required number of credits in the prescribed composition by the study plan.	
<b>Learning outcomes:</b> The student is able to demonstrate the acquired competencies in accordance with the profile of the graduate.	
<b>Brief outline of the course:</b> <ol style="list-style-type: none"> <li>1. Pedagogy, basic pedagogical categories, system of pedagogical scientific disciplines.</li> <li>2. Education, pages and functions of education, educational process, self-education.</li> <li>3. Factors of education, educated individual, pedagogue, pedagogical profession, professional competencies.</li> <li>4. School education, family education.</li> <li>5. Educational goals, taxonomy, requirements, classification of educational goals.</li> <li>6. Methods of education.</li> <li>7. Pedagogical principles.</li> <li>8. School system of the Slovak Republic.</li> <li>9. Didactics, basic questions of didactics, current starting points of didactics.</li> <li>10. Objectives of the teaching process, the teacher's work with the objectives of teaching.</li> <li>11. Content of education, basic curriculum, extension curriculum, elements and components of curriculum.</li> <li>12. Assessment in school education, types, functions and criteria of assessment.</li> <li>13. Pedagogical control, methods and forms of pedagogical control.</li> <li>14. Teacher's work planning, written preparation of the teacher for teaching.</li> <li>15. Teaching process, stages of the teaching process and their didactic functions.</li> <li>16. Organizational forms of teaching, lesson, stages, types of lessons.</li> <li>17. Teaching methods, classification, functions, selection of teaching methods.</li> <li>18. Didactic principles of the teaching process.</li> <li>19. Basic pedagogical documents, textbook, functions and structural components of the textbook.</li> <li>20. Current concepts of the teaching process.</li> </ol>	
<b>Recommended literature:</b> Čapek, R.: Moderní didaktika. Praha: Grada, 2016.	

Dytrtová, R., Krhutová, M. Učitel. Příprava na profesi. Praha: Grada, 2009. Kalhous, Z. – Obst, O. 2002. Školní didaktika. Praha: Portál, 2002. Petlák, E.: Kapitoly zo súčasnej didaktiky. Bratislava: IRIS, 2005. Prucha, J.: Moderní pedagogika. Praha: Portál, 2012. Turek, I.: Didaktika. Bratislava: Wolters Kluwer, 2014. Vališová, A., Kasíková, H.: Pedagogika pro učitele. Praha: Grada, 2010. Zormanová, L.: Obecná didaktika. Praha: Grada, 2014.					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 25					
A	B	C	D	E	FX
24.0	44.0	16.0	12.0	4.0	0.0
<b>Provides:</b>					
<b>Date of last modification:</b> 12.03.2024					
<b>Approved:</b> prof. PhDr. Ol'ga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> KPE/PPD/22	<b>Course name:</b> Pedagogy and Psychology
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> II.	
<b>Prerequisites:</b> KPE/PDU/15 and KPPaPZ/PPgU/15	
<b>Conditions for course completion:</b> Obtaining the required number of credits in the prescribed composition by the study plan.	
<b>Learning outcomes:</b> The student is able to demonstrate the acquired competencies in accordance with the profile of the graduate.	
<b>Brief outline of the course:</b> Pedagogy: 1. Pedagogy, basic pedagogical categories, system of pedagogical scientific disciplines. 2. Education, pages and functions of education, educational process, self-education. 3. Factors of education, educated individual, pedagogue, pedagogical profession, professional competencies. 4. School education, family education. 5. Educational goals, taxonomy, requirements, classification of educational goals. 6. Methods of education. 7. Pedagogical principles. 8. School system of the Slovak Republic. 9. Didactics, basic questions of didactics, current starting points of didactics. 10. Objectives of the teaching process, the teacher's work with the objectives of teaching. 11. Content of education, basic curriculum, extension curriculum, elements and components of curriculum. 12. Assessment in school education, types, functions and criteria of assessment. 13. Pedagogical control, methods and forms of pedagogical control. 14. Teacher's work planning, written preparation of the teacher for teaching. 15. Teaching process, stages of the teaching process and their didactic functions. 16. Organizational forms of teaching, lesson, stages, types of lessons. 17. Teaching methods, classification, functions, selection of teaching methods. 18. Didactic principles of the teaching process. 19. Basic pedagogical documents, textbook, functions and structural components of the textbook. 20. Current concepts of the teaching process. Psychology: 1. Psychology as a science, goals and subject of psychology in terms of influential psychological directions. 2. Pedagogical psychology in teacher training, its subject, function. 3. Psychology in school practice: professional forms of control and assistance, psychological examination, counseling process. Crisis intervention. Code of ethics. 4. Psychology in school practice: approaches and models of prevention, prevention spectrum, protective and risk factors of risk behavior of schoolchildren in the context of the theory of triadic influence. 5. Psychology in school practice: effective strategies for prevention of substance use. 6. Psychology of education from the point of view of psychodynamic approach (Psychoanalysis and Individual Psychology). 7. Psychology of education from the point of	

view of humanistic psychology.8. Psychology of education from the point of view of cognitive psychology.9. Psychology of learning and types of learning supplemented by examples from school practice. / success in the context of individual theories of cognitive development.11. Nutritional peculiarities, school non-success / intelligence in terms of intelligence.12. Memory and developmental peculiarities, school non-success 13. Attention and developmental peculiarities, school non / success peculiarities of individual types of family, educational styles.15. Social relations at school, the modes of cognition of interaction U and Ž. Psychosocial climate of school class and school, methods of cognition, sociometry.16. Social influence: presence of others, interpersonal influences and meaningful understanding of social influence in teacher's work.17. Teacher as a professional, his professional ability, teaching style, attitudes towards students, expectations towards students, coping with stress, burnout syndrome.18. Students: gifted and talented, school failure, non-thriving pupils and failing pupils, pupils' self-efficacy.19. Types of research plans and their creation (setting goals, hypotheses, variables, selection of research sample) in the context of pedagogical-psychological research.20. Selected methods of pedagogical-psychological research - questionnaire, interview, observation and possibilities of their use in school practice.

### **Recommended literature:**

#### **Pedagogika:**

Čapek, R.: Moderní didaktika. Praha: Grada, 2016.  
 Dyrtrtová, R., Krhutová, M. Učitel. Příprava na profesi. Praha: Grada, 2009.  
 Kalhous, Z. – Obst, O. 2002. Školní didaktika. Praha: Portál, 2002.  
 Petlák, E.: Kapitoly zo súčasnej didaktiky. Bratislava: IRIS, 2005.  
 Prucha, J.: Moderní pedagogika. Praha: Portál, 2012.  
 Turek, I.: Didaktika. Bratislava: Wolters Kluwer, 2014.  
 Vališová, A., Kasíková, H.: Pedagogika pro učitele. Praha: Grada, 2010.  
 Zormanová, L.: Obecná didaktika. Praha: Grada, 2014.

#### **Psychológia:**

Mareš, J.: Pedagogická psychologie. Praha : Grada 2013.  
 Mareš, J., & ČÁP, J.: Psychologie pro učitele. Praha: Portál, 2001.  
 Džuka, J.: Základy pedagogickej psychológie. Prešov: UK 2003.  
 Orosová, O. a kol.: Psychológia a pedagogická psychológia 1. Košice: UPJŠ, 2005.  
 Orosová, O. a kol.: Základy prevencie užívania drog a problematického používania internetu v školskej praxi. Košice: UPJŠ 2012.  
 Bačíková, M., Janovská, A. (2019) . Základy metodológie pedagogicko-psychologického výskumu. Sprievodca pre študentov učiteľstva. 2. rozšírené vydanie. Šafárik press, Košice.  
 Gavora, P. a kol. (2010). Elektronická učebnica pedagogického výskumu. Bratislava: Univerzita Komenského, 2010. dostupné online na [www.e-metodologia.fedu.uniba.sk](http://www.e-metodologia.fedu.uniba.sk).  
 Vágnerová, M.: Základy psychológie. Praha : Karolinum 2005.  
 Vágnerová, M.: Vývojová psychológie. Praha : Karolinum 2005.  
 Vágnerová, M.: Škoní podadenská psychologie pro pedagogy. Praha : Karolinum 2005. Výrost, J., Slaměník, I.: Sociální psychologie. Praha : Grada 2008.  
 Výrost, J., Salměník, I.: Aplikovaná sociální psychologie I. Praha: Portál 1998.  
 Strana: 2  
 Fontana, D. : Psychologie ve školní praxi. Praha: Portál 1997.  
 Zelina, M.: Stratégie a metódy rozvoja osobnosti. Bratislava, Iris: 1996.  
 Křivohlavý, J.: Pozitivní psychologie. Praha: Portál 2004.  
 Křivohlavý, J.: Psychologie zdraví. Praha: Portál 2003.

### **Course language:**



<b>Notes:</b>					
<b>Course assessment</b>					
Total number of assessed students: 157					
A	B	C	D	E	FX
31.85	33.76	24.2	8.92	0.64	0.64
<b>Provides:</b>					
<b>Date of last modification:</b> 12.03.2024					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> KPPaPZ/PASZ/17		<b>Course name:</b> Problem and Aggressive Behaviour of Pupils. Etiology, Prevention and Intervention.			
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: 2 Per study period: 28</b> <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 2.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b> General principles of mental development as a basis for recognizing mental disorders in children and adolescents. Etiology of mental disorders and developmental disorders in children and adolescents. Definition of aggressive behavior. Concepts of aggression vs. aggressiveness. Theoretical approaches to aggression. Causes and factors of aggressive behavior. Violence at school and in the family. Bullying. Psychology of problem students. Problems resulting from disturbed behavior. Problems arising from group relationships. Adolescent lifestyle issues. Problems resulting from impaired emotional experience. Solving problematic and aggressive behavior in the school environment. School classroom management, group preventive and intervention work with the classroom. Crisis intervention. Work with parents of problem students. Principles of interviewing a parent. Cooperation with other experts. Prevention of aggressive and problematic behavior at school. Classroom and school climate, school prevention programs. Viac o tomto zdrojovom texteNa získanie ďalších informácií o preklade sa vyžaduje zdrojový text Odoslať spätnú väzbu Bočné panely					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 125					
A	B	C	D	E	FX
80.0	14.4	5.6	0.0	0.0	0.0
<b>Provides:</b> PhDr. Anna Janovská, PhD.					
<b>Date of last modification:</b> 14.09.2024					

**Approved:** prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> KPPaPZ/KPE/ EPU/15	<b>Course name:</b> Professional Ethics for Teachers and School Counsellors
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: 2 Per study period: 28</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 2., 4.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> 1. Active participation in seminars (max. 1 absence) - 30p, 2. Preparation for the seminar - 40p, 3. Preparation (description and analysis) of the moral dilemma - 30p. By summing the points obtained during the semester, the student obtains the final evaluation according to the scale: A 87 - 100, B 77 - 86, C 69 - 76, D 61 - 68, E 56 - 60, FX 55 and less. Detailed information in the electronic board of the course in AIS2. The teaching of the subject will be realized by a combined method.	
<b>Learning outcomes:</b> The student will understand the principles of teacher ethics and the ethics of the educational counselor as one of the branch types of professional ethics. The student can theoretically reflect on the ethical and moral issues of the teaching profession and the function of the educational counselor (including the formulation of moral values, principles and standards of the teaching profession and the function of the educational counselor in the form of codes of ethics). He is able to analyze and solve practical moral problems in pedagogical practice, which supports the development of professional skills of students. The student is able to critically evaluate situations with a moral context thanks to the opportunity to discuss moral and ethical issues in an open way.	
<b>Brief outline of the course:</b> Moral emotions (theories of emotion, the center of emotions in the brain, types of emotions and their manifestations) Development of moral reasoning, cognitive approaches to moral reasoning and their comparison (Piaget, Kohlberg, Gilligan, Eisenberg, Selman, Lind), Moral behavior (from the point of view of learning theories) and moral (vs. social and emotional) intelligence in the work of a teacher Possibilities of examining moral behavior and judgment (socio-psychological research of conformity, obedience, aggression and psychodiagnostic approaches to the determination of moral judgment) Morality and professional ethics in general (ethical principles in helping professions) and codes of ethics Professional ethics of the teacher and educational counselor (terminology, concepts, main principles of teacher ethics) and teacher ethics codes	

Moral dilemmas and ways of solving them, MD of teaching practice  
Possibilities of influencing and stimulating moral judgment, use of moral dilemma in education  
Cheating and other unethical manifestations in the school environment, ethics and etiquette of final exams

**Recommended literature:**

Ráčzová, Babinčák, P. Základy psychológie morálky. Košice : Equilibria, 2009. - 130 s. ISBN 9788070977866 (brož.).  
Gluchmanová, M. K niektorým terminologickým otázkam učiteľskej etiky. Pedagogická orientace 2007, č. 2, s. 11–25. ISSN 1211-4669.  
Malankievičová, S. Profesijsná etika: FF PU. 2008.  
Miežgová J., Vargová, D. Etika. SPN Mladé letá 2007.  
Remišová A. Dejiny etického myslenia v Európe a USA. Bratislava, Kalligram 2008.  
Zelina, M. Teória výchovy alebo hľadanie dobra. Bratislava SPN 2010.  
Gluchmanová, M. Uplatnenie princípov a hodnôt etiky sociálnych dôsledkov v učiteľskej etike. Prešov: FF PU, 2009. 222 s. ISBN 978-80-555-0042-3  
Campbell, E. The Ethical Teacher. Berkshire (England): Open University Press, 2003. 178 s. ISBN 03-3521-219-0.

**Course language:**

slovak

**Notes:**

**Course assessment**

Total number of assessed students: 550

A	B	C	D	E	FX
97.27	2.36	0.36	0.0	0.0	0.0

**Provides:** doc. Mgr. Gabriel Baník, PhD.

**Date of last modification:** 24.06.2022

**Approved:** prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> KPPaPZ/PPgU/15	<b>Course name:</b> Psychology and Educational Psychology
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 5	
<b>Recommended semester/trimester of the course:</b> 1.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Assessment: A maximum of 40 points can be earned during the semester (through two assignments and a written verification). Exam entry criteria: Active participation in exercises and a minimum of 30 points earned during the semester. Continuous assessment (40%) and written examination (60%). For more information and updates, refer to the electronic board of the course AIS2. Final evaluation: A 87 – 100 B 77 – 86 C 69 – 76 D 61 – 68 E 56 – 60 FX 55 and less Combined method. The information will be yearly specified on the electronic noticeboard of the course in AIS2, alternatively in LMS UPJŠ or MS Teams environment.	
<b>Learning outcomes:</b> Students will be able to show understanding of the human behaviour in educational situations. Students will be able to describe, explain and justify possible teachers' decisions by using psychological concepts, principles and theories. Students will be able to apply the psychological findings in the field of education. Students will be able to explain how adolescents learn and retain new information, to explain their behaviour in response to educational environment. Students will be able to explain the desired data-based modification of adolescents' behaviour to bring an all-round development of his personality and school performance, to explain the desired data-based modification of the behaviour of adolescents with educational problems, with disadvantages.	
<b>Brief outline of the course:</b> Introduction: The content of the course is based on current knowledge of psychological disciplines, especially pedagogical and school psychology. Teaching is realized by a combination of lectures with engaging narrative interpretation and seminars using interactive, experiential methods, discussion and open communication with mutual respect, support of independence, activity and motivation of students. Syllabus: Goals and Subject of Psychology and Educational Psychology, the field and its transformations (Educational psychology and its changes over time, its mission, and possible personality transformations). School psychology, school psychologist. Professional forms of support in school practice. Psychological assessment. Counseling process. Crisis intervention. Effective strategies and programs for the prevention of risky behavior among schoolchildren.	

Risk/protective factors of risky behavior. Implementation of psychological concepts of personality into school practice. Psychological and educational-psychological characteristics of learning (psychology of learning, types of learning, learning styles). Developmental characteristics and school (un)success (Cognitive, social, emotional, and personality development in childhood and adolescence, Psychological characteristics of adolescence and adulthood. Intelligence, memory, attention, and developmental characteristics of schoolchildren, and school (un)success). Social psychology of the school (teacher-student relationships, methods of understanding teacher-student interaction, the psychosocial climate of the school) and family (factors of family functionality, functional/problematic/dysfunctional/non-functional family, parenting styles). Main actors: Teacher (the teacher as a professional, their professional competence, teaching style, attitudes toward students, expectations of students, coping with stress, burnout syndrome), students (gifted and talented, school failure, successful/unsuccessful students, and failing students, student self-efficacy), school class (as a small social group, internal and external differentiation, bullying, and prevention), psychosocial climate of the school class.

#### **Recommended literature:**

Compulsory:

Lectures (Literary sources in published lectures)

Mareš, J.: Pedagogická psychologie. Praha : Grada 2013.

Recommended:

Mareš, J., & ČÁP, J.: Psychologie pro učitele. Praha: Portál, 2001.

Džuka, J.: Základy pedagogickej psychológie. Prešov: UK 2003.

Orosová, O. a kol.: Psychológia a pedagogická psychológia 1. Košice: UPJŠ, 2005.

Orosová, O. a kol.: Základy prevencie užívania drog a problematického používania internetu v školskej praxi. Košice: UPJŠ 2012.

Vágnerová, M.: Základy psychológie. Praha : Karolinum 2005.

Vágnerová, M.: Vývojová psychológia. Praha : Karolinum 2005.

Vágnerová, M.: Škoní podadenská psychologie pro pedagogy. Praha : Karolinum 2005. Výrost, J., Slaměnik, I.: Sociální psychologie. Praha : Grada 2008.

Výrost, J., Salměnik, I.: Aplikovaná sociální psychologie I. Praha: Portál 1998.

Fontana, D. : Psychologie ve školní praxi. Praha: Portál 1997.

Zelina, M.: Stratégie a metódy rozvoja osobnosti. Bratislava, Iris: 1996.

Křivohlavý, J.: Pozitivní psychologie. Praha: Portál 2004.

Křivohlavý, J.: Psychologie zdraví. Praha: Portál 2003.

ELECTRONIC INFORMATION RESOURCES (UL UPJŠ)

#### **Course language:**

slovak

#### **Notes:**

#### **Course assessment**

Total number of assessed students: 1736

A	B	C	D	E	FX
11.0	20.16	23.85	22.41	20.22	2.36

**Provides:** prof. PhDr. Oľga Orosová, CSc., PhDr. Anna Janovská, PhD.

**Date of last modification:** 09.09.2024

**Approved:** prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> KPPaPZ/PTPN/17	<b>Course name:</b> Psychology of Creativity and Working with Gifted Students in Teacher Practice
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: 2 Per study period: 28</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 2.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> 1. active participation in lessons (max. 2 absences) - 30p, 2. own output at the seminar - 40p, 3. seminar work - 30p. By summing the points obtained during the semester, the student obtains the final evaluation according to the given scale: A 87 - 100, B 77 - 86, C 69 - 76, D 61 - 68, E 56 - 60, FX 55 and less. Detailed information in the electronic board of the course in AIS2. The teaching of the subject will be realized by a combined method.	
<b>Learning outcomes:</b> The student understands the basic factors and process of creativity. The student is able to explain the specifics of working with the gifted. He knows the methods of identifying talent and also can apply methods to support creativity and the development of talent in the implementation of creative creativity in education.	
<b>Brief outline of the course:</b> The concept of creativity. A brief history of the theory of creativity. Social, psychological and biological factors of creativity. Cognitive processes in creativity. Creativity and cognitive style. Development of creativity. Talent and giftedness. Methods of determining creativity and talent. Methods of developing creativity and talent. Creativity and talent development programs. Specifics of working with the gifted children.	
<b>Recommended literature:</b> DOČKAL, V. (2006): Inteligencia a tvorivosť, tvorivé nadanie od intelektovej schopnosti po štruktúru osobnosti. In: KUSÁ, D. a kol. EDS. (2006): Zjavná a skrytá tvorivosť. Bratislava: Slovak Academic Press HRÁBKOVÁ, L. (2009): Nadání a nadaní. Pedagogicko- psychologické přístupy, modely, výzkumy a jejich vztah ke školské praxi. Praha: Grada Publishing DACEY, J.S.- LENNON, K.H. (2000): Kreativita. Praha: Grada	



GROSS, M.U.M. (2009): Highly Gifted Young People: Development from Childhood to Adulthood. In: SHAVININA, L. (2009): International Handbook on Giftedness. Part one. Springer

KUSÁ, D. a kol. EDS. (2006): Zjavná a skrytá tvorivosť. Bratislava: Slovak Academic Press

KOLKOVÁ, S. (2000): Tvorivosť a jej rozvoj vo voľnočasových aktivitách detí (v školskom klube). Bratislava: Metodické centrum v Bratislave

LOKŠOVÁ, I., - LOKŠA, J.: (2003): Tvořivé vyučování. Praha: Grada

LAZNIBATOVÁ, J. (2004): Špecifika vývinu a vzdelávania nadaných detí. In: Psychológia a patopsychológia dieťaťa, roč.39, č. 2-3

LAZNIBATOVÁ, J. (2001): Nadané dieťa, jeho vývin, vzdelávanie a podporovanie. Bratislava: Iris

MESÁROŠOVÁ, M. (1998): Nadané deti. Poznávanie a rozvíjanie ich osobnosti. Prešov: Manacon

SZOBIOVÁ, E. (2004): Tvorivosť – Od záhady k poznaniu. Bratislava: Stimul - Centrum informatiky a vzdelávania FIF UK

National and international scientific journals

**Course language:**

slovak

**Notes:**

**Course assessment**

Total number of assessed students: 81

A	B	C	D	E	FX
100.0	0.0	0.0	0.0	0.0	0.0

**Provides:** Mgr. Lucia Barbierik, PhD.

**Date of last modification:** 24.06.2022

**Approved:** prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> KSSFaK/ ČGUAP/15	<b>Course name:</b> Reading Literacy in Educational Process
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 2.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b>	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b>	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 44	
abs	n
100.0	0.0
<b>Provides:</b> doc. PaedDr. Ivica Hajdučková, PhD.	
<b>Date of last modification:</b> 15.09.2023	
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/AFAU/21		<b>Course name:</b> Regional Geography of Africa and Australia			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 1 <b>Per study period:</b> 28 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 4					
<b>Recommended semester/trimester of the course:</b> 2.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 57					
A	B	C	D	E	FX
33.33	19.3	38.6	7.02	1.75	0.0
<b>Provides:</b> doc. Mgr. Ladislav Novotný, PhD.					
<b>Date of last modification:</b> 14.07.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/ AZG/21		<b>Course name:</b> Regional Geography of Asia			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 1 <b>Per study period:</b> 28 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 4					
<b>Recommended semester/trimester of the course:</b> 1.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 56					
A	B	C	D	E	FX
35.71	26.79	28.57	8.93	0.0	0.0
<b>Provides:</b> doc. Mgr. Ladislav Novotný, PhD.					
<b>Date of last modification:</b> 27.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/RGEU/17		<b>Course name:</b> Regional Geography of Europe			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 3 / 1 <b>Per study period:</b> 42 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 5					
<b>Recommended semester/trimester of the course:</b> 1.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 188					
A	B	C	D	E	FX
12.23	29.26	40.96	14.89	1.06	1.6
<b>Provides:</b> RNDr. Stela Csachová, PhD., RNDr. Alena Gessert, PhD., univerzitná docentka, Mgr. Patrícia Gurová, Mgr. Marián Kulla, PhD.					
<b>Date of last modification:</b> 27.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/RSS/21		<b>Course name:</b> Regional Structure of Slovakia			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 3					
<b>Recommended semester/trimester of the course:</b> 3.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 1					
A	B	C	D	E	FX
0.0	0.0	0.0	100.0	0.0	0.0
<b>Provides:</b> doc. Mgr. Ladislav Novotný, PhD., Mgr. Marián Kulla, PhD., RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka					
<b>Date of last modification:</b> 27.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/ AMG/21		<b>Course name:</b> Regional geography of America			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 1 <b>Per study period:</b> 28 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 4					
<b>Recommended semester/trimester of the course:</b> 3.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 39					
A	B	C	D	E	FX
23.08	28.21	28.21	17.95	2.56	0.0
<b>Provides:</b> doc. Mgr. Ladislav Novotný, PhD.					
<b>Date of last modification:</b> 27.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/ ADPZ/22		<b>Course name:</b> Remote sensing applications			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 2 <b>Per study period:</b> 14 / 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 3					
<b>Recommended semester/trimester of the course:</b> 1.					
<b>Course level:</b> I., II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 11					
A	B	C	D	E	FX
100.0	0.0	0.0	0.0	0.0	0.0
<b>Provides:</b> prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Ján Kaňuk, PhD., Mgr. Katarína Onáčillová, PhD., Mgr. Ján Šašák, PhD.					
<b>Date of last modification:</b> 20.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚGE/MPPb/15	<b>Course name:</b> Scheduled practice teaching
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 36s <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 1	
<b>Recommended semester/trimester of the course:</b> 2.	
<b>Course level:</b> II.	
<b>Prerequisites:</b> KPE/MPPa/15 and KPE/PDU/15 and (KPPaPZ/PaSPP/09 or KPPaPZ/PPgU/15)	
<b>Conditions for course completion:</b>	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b>	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 425	
abs	n
100.0	0.0
<b>Provides:</b> RNDr. Stela Csachová, PhD.	
<b>Date of last modification:</b> 15.11.2021	
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚCHV/ MPPb/15	<b>Course name:</b> Scheduled practice teaching
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 36s <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 1	
<b>Recommended semester/trimester of the course:</b> 2.	
<b>Course level:</b> II.	
<b>Prerequisites:</b> KPE/MPPa/15 and KPE/PDU/15 and (KPPaPZ/PaSPP/09 or KPPaPZ/PPgU/15)	
<b>Conditions for course completion:</b> 1. Compulsory attendance during the organisational and informational seminar. 2. Compulsory attendance: sitting in on classes, analytical classes at training schools. 3. Sitting in on classes and analytical classes taught by supervising teachers – 11x. 4. Complete 1 independent teaching session and analytical class under supervision. 5. Submitted Scheduled practice teaching (SPT) documentation. (Sitting-in records, Written class preparation, List of sitting-in sessions and trainee's performance during SPT, SPT report, Assessment of the trainee's pedagogical performance during SPT).	
<b>Learning outcomes:</b> The student can purposefully perceive and interpret phenomena observed during chemistry classes in terms of subject didactics and psychodidactics. Confront their own preconcepts pertaining to subject didactics and psychodidactics with the actual teachers' concepts in practice. Gain motivation for further study of the respective disciplines in terms of their own specialisation and for purposeful development of professional competences. Apply didactic skills to teach chemistry by designing a lesson project and teaching it in practice.	
<b>Brief outline of the course:</b> Students observe the process of teaching the subject of chemistry in primary school and secondary school and analyze it with supervising teacher. The internship takes place continuously during the semester. It is included in the timetable once a week at time 1-3. lessons at primary and secondary schools. The first two hours students observe/teach, the third lesson is an analysis. Observation, perception, and analysis of subject-specific and psychodidactic phenomena in the way chemistry is taught at the training schools. Written evaluation and theoretical generalisation of the phenomena observed during the classes. Didactic Scheduled practice teaching analysis. Analysis of the perceived phenomena, theoretical generalisation, and comparison of the findings against theory. Written class preparation for teaching a lesson in chemistry. Trainee's teaching performance.	
<b>Recommended literature:</b> Current chemistry textbooks for primary and secondary schools in the Slovak Republic.	
<b>Course language:</b>	
<b>Notes:</b>	

<b>Course assessment</b>	
Total number of assessed students: 331	
abs	n
100.0	0.0
<b>Provides:</b> doc. RNDr. Mária Ganajová, CSc., RNDr. Ivana Sotáková, Ph.D.	
<b>Date of last modification:</b> 26.10.2021	
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/SDG/21		<b>Course name:</b> Seminar of didactics of geography			
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 2					
<b>Recommended semester/trimester of the course:</b> 2.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 54					
A	B	C	D	E	FX
57.41	38.89	3.7	0.0	0.0	0.0
<b>Provides:</b> RNDr. Stela Csachová, PhD., prof. Mgr. Jaroslav Hofierka, PhD.					
<b>Date of last modification:</b> 27.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> KSSFaK/VSJU/15	<b>Course name:</b> Slovak Language for Teachers
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture <b>Recommended course-load (hours):</b> <b>Per week: 2 Per study period: 28</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 1., 3.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Conditions for successful completion of the course: a) regular active participation in seminars, b) preparation of basic literature and content of lectures, c) elaboration of seminar work / creative task, d) successful completion of the final test. Conditions for obtaining the final evaluation: a) seminar work / creative task b) final test (min. 56%) Final evaluation: 100,00 - 92,00% A 91,99 - 83,00% B 82,99 - 74,00 % C 73.99 - 65.00% D 64.99 - 56.00% E 55.99% and less FX Prerequisites for successful completion of the course are annually updated on the electronic bulletin board in AIS2.	
<b>Learning outcomes:</b> During the final evaluation, the student demonstrates adequate mastery of the content standard of the course, which is defined by the required literature and seminar content, and demonstrates mastery of the performance standard, within which the student is able to practically apply the standard of standard Slovak in oral and written communications. manuals, gain skill in the bibliographic and citation standard. The graduate of the course normatively masters written communication on the basis of current orthographic rules and knows the basic characteristics of the means of expression of the text and functional language style.	
<b>Brief outline of the course:</b> Characteristics of basic terms of general linguistics (language – speech, language functions, the sign character of language, language levels, content and form in language, individual and general aspect of language units) on interdisciplinary background and with the application to Slovak as a national language. Language standard, codification, usus. Basic codification manuals. Application of orthographic rules in practical documents. Sound culture, pronunciation styles. Orthoepic phenomena in vowels and consonants. Application of rhythmic law and its exceptions. Assimilation and its specific features in Slovak. Style, stylization – methods and demonstration of structure of text components.	
<b>Recommended literature:</b> BÓNOVÁ, I. - JASINSKÁ, L.: Jazyková kultúra nielen pre lingvistov. Košice: UPJŠ 2019. 100 s.	

FINDRA, J.: Štylistika slovenčiny. Martin : Osveta, 2004.  
 FINDRA, J.: Štylistika slovenčiny v cvičeniach. Martin : Osveta, 2005.  
 KRÁĽ, Á.: Pravidlá slovenskej výslovnosti. Martin: Matica slovenská 2006. 423 s.  
 Krátky slovník slovenského jazyka. Martin: Matica slovenská 2020.  
 SABOL, J.- SLANČOVÁ, D. - SOKOLOVÁ, M.: Kultúra hovoreného slova. Prešov, FF UPJŠ 1989.  
 Pravidlá slovenského pravopisu. Bratislava: Veda 2000 (2013).  
 SABOL, J. – BÓNOVÁ, I. – SOKOLOVÁ, M.: Kultúra hovoreného prejavu. Prešov: FF PU 2006.  
 SLANČOVÁ, D.: Praktická štylistika. 2., upravené a doplnené vydanie. Prešov: Slovacontact 1996. 178 s. ISBN 80-901417-9-X.  
 Slovník súčasného slovenského jazyka. Bratislava: Veda 2006.  
 Slovník súčasného slovenského jazyka. Bratislava: Veda 2011.  
 Slovník súčasného slovenského jazyka. Bratislava: Veda 2015.

**Course language:**

Slovak language

**Notes:**

**Course assessment**

Total number of assessed students: 151

A	B	C	D	E	FX
13.91	23.18	32.45	14.57	13.91	1.99

**Provides:** PhDr. Iveta Bónová, PhD., univerzitná docentka, PhDr. Lucia Jasinská, PhD.

**Date of last modification:** 24.06.2022

**Approved:** prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚGE/ SGE/08	<b>Course name:</b> Social geography
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b> 1.	
<b>Course level:</b> I., II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> Participation in exercises, presentation of seminar topics (1 or 2 topics for student during the semester) and a group discussion, successful graduation the final test. Credits will not be awarded to students, who will not have successfully processed and presented the given topic and will not be actively participate in discussions and does not pass the final test min. to 60%.	
<b>Learning outcomes:</b> Students know how to verbally express and critical thinking to social issues, social inequality - its origin, spatial distribution.	
<b>Brief outline of the course:</b> Social geography is a scientific discipline that examines the company geographically. We will be solve social problems which related to geography - Urban social geography and urban lifestyle factors, racism, ethnicity, major and minor company, congregation and segregation in cities, social inequality and place.	
<b>Recommended literature:</b> DŽAMBAZOVIČ, R. 2007: Chudoba a jej dimenzie na Slovensku. Bratislava, Univerzita Komenského, 232 s. GAJDOŠ, P. 2002: Mesto a jeho vývoj v sociálno-priestorových a civilizačných súvislostiach. Sociológia, 34, 4, 305-326. KOLLÁR, D. 1992: Sociálna geografia a problematika výskumu priestorového správania človeka. Geografický časopis 44, 2, 149-173. MATLOVIČ, R. 1996: Sociálno-ekologická orientácia geografického bádania intraurbánných štruktúr a jej slovenské reflexie. Geografický časopis, 48, 3-4, 271-284. ROCHOVSKÁ, A., HORŇÁK, M. 2008: Chudoba a jej percepcia v marginálnych regiónoch Slovenska. < <a href="http://geografia.science.upjs.sk/images/geographia_cassoviensis/articles/GC-2008-2-1/Rochovska_Hornak.pdf">http://geografia.science.upjs.sk/images/geographia_cassoviensis/articles/GC-2008-2-1/Rochovska_Hornak.pdf</a> > SIROVÁTKA, T., ed. 2004: Sociální exkluze a sociální inkluze menšin a marginalizovaných skupin. Brno, Masarykova univerzita, Fakulta sociálních studií, nakladatelství Georgetown, 237 s.	

<b>Course language:</b> Slovak, English					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 160					
A	B	C	D	E	FX
41.88	21.25	12.5	10.63	12.5	1.25
<b>Provides:</b> RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka					
<b>Date of last modification:</b> 30.09.2021					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚCHV/ SPC1a/22	<b>Course name:</b> Special Practising the School Experiments I
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 4 <b>Per study period:</b> 56 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 4	
<b>Recommended semester/trimester of the course:</b> 1.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> 1. Participations in exercises (also applies to the online form of teaching). Students are required to participate in laboratory exercises. The students can excuse themselves (incapacity for work, family reasons, etc.) for a maximum of two exercises during the semester without the need for replacement. In the case of a longer-term justified absence (for example due to incapacity for work), the student will be assigned an alternative form of mastering the missed curriculum. 2. Active participation in class. Students are active – they master the knowledge of general and inorganic chemistry, they know the working procedures for experiments, which include worksheets, cooperation and communication in pairs/groups and presentation of the results of their work. Learning materials will be available through the e-learning portal LMS Moodle (direct link to the website: <a href="https://lms.upjs.sk/">https://lms.upjs.sk/</a> ) in the course Special Practising the School Experiments I. 3. Outputs – presentation of experiments for primary and secondary school. There will be two outputs focused on demonstration experiments on selected topics of primary and secondary school chemistry. 4. A part of the student's assessment in the subject is also a written test, given in the 8th week of teaching. The final assessment in the course consists of the sum of points obtained for: 1. Active preparation for exercises (0-30 points). 2. Outputs – presentation of experiments for primary and secondary schools (0-20 points). 3. Written test (0-50 points). Conditions for successful completion of the course: In order to obtain an A rating, it is necessary to obtain at least 85 points in total, to obtain an B rating at least 75 points, to obtain a C rating at least 65 points, to obtain a D rating at least 55 points and to obtain an E rating at least 45 points.	
<b>Learning outcomes:</b> The aim of the course is to acquire and consolidate basic experimental skills and habits in work techniques in school demonstration experiments with an emphasis on the safety and health of students in student experimental work. Students will also acquire basic knowledge and skills in the field of inquiry-based learning and work with computer-based chemical experiments.	
<b>Brief outline of the course:</b> 1. General instructions for work in a school chemical laboratory.	

2. Basic chemical concepts.
3. Basic chemical laws and properties of substances. Solubility of substances. Solutions. Determination of physical and chemical constants.
4. Energy changes in chemical reactions. Factors affecting the rate of chemical reactions.
5. Experiments on the topic of oxygen, hydrogen, air.
6. Halogens and their compounds.
7. Chalcogens and their compounds.
8. Carbon, nitrogen and their compounds.
9. Acids and bases.
10. Chemistry of everyday life in school experiments.
11. Environmental chemistry. Interesting school experiments.

**Recommended literature:**

1. GANAJOVÁ, M., DZURILLOVÁ, M.: Školské pokusy z chémie I. Košice: UPJŠ v Košiciach, Prírodovedecká fakulta, 2005. ISBN 80-7097-617-9.
2. KIREŠ, M., JEŠKOVÁ, Z., GANAJOVÁ, M., KIMÁKOVÁ, K.: Bádateľské aktivity v prírodovednom vzdelávaní. Časť A. Bratislava: ŠPÚ, 2016. ISBN 978-80-8118-155-9.  
[https://www.statpedu.sk/files/articles/nove\\_dokumenty/ucebnice-metodiky-publikacie/badatske-aktivity/01cast\\_a\\_web.pdf](https://www.statpedu.sk/files/articles/nove_dokumenty/ucebnice-metodiky-publikacie/badatske-aktivity/01cast_a_web.pdf)
3. GANAJOVÁ, M., KRISTOFOVÁ, M.: Bádateľské aktivity v prírodovednom vzdelávaní. Časť B. Ukážky vytvorených metodických a pracovných materiálov z predmetu Chémia. Bratislava: ŠPÚ, 2016. ISBN 978-80-8118-155-9.  
[https://www.statpedu.sk/files/articles/nove\\_dokumenty/ucebnice-metodiky-publikacie/badatske-aktivity/04cast\\_b\\_chemia\\_web.pdf](https://www.statpedu.sk/files/articles/nove_dokumenty/ucebnice-metodiky-publikacie/badatske-aktivity/04cast_b_chemia_web.pdf)
4. GANAJOVÁ a kol.: Zbierka inovatívnych metodík z chémie pre základné školy. Doplnené vydanie. Bratislava: CVTI SR, 2021. ISBN 978-80-8240-007-9.  
<https://vzdelavanie.itakademia.sk/vystupy/zim-che-zs.pdf>
5. GANAJOVÁ a kol.: Zbierka inovatívnych metodík z chémie pre stredné školy. Doplnené vydanie. Bratislava: CVTI Bratislava: CVTI SR, 2021. ISBN 978-80-8240-008-6.  
<https://vzdelavanie.itakademia.sk/vystupy/zim-che-ss.pdf>
6. Inovovaný štátny vzdelávací program pre 2. stupeň ZŠ. Človek a príroda. Chémia.  
[https://www.statpedu.sk/files/articles/dokumenty/inovovany-statny-vzdelavaci-program/chemia\\_nsv\\_2014.pdf](https://www.statpedu.sk/files/articles/dokumenty/inovovany-statny-vzdelavaci-program/chemia_nsv_2014.pdf)
7. Inovovaný štátny vzdelávací program pre gymnázia so štvorročným a päťročným vzdelávacím programom. Človek a príroda. Chémia. [https://www.statpedu.sk/files/articles/dokumenty/inovovany-statny-vzdelavaci-program/chemia\\_g\\_4\\_5\\_r.pdf](https://www.statpedu.sk/files/articles/dokumenty/inovovany-statny-vzdelavaci-program/chemia_g_4_5_r.pdf)
8. Učebnice chémie pre základné školy a gymnáziá.
9. Školský informačný systém. Chémia. <http://kekule.science.upjs.sk/chemia/index.htm>
10. Virtuálne prírodovedecké laboratórium. <http://www.virtual-lab.sk/videozaznamy.html>
11. Studium chemie. Portál PČF UK pro podporu vyuky chemie na SŠ a ZŠ.  
<https://studiumchemie.cz/>
12. E-ChemBook – Multimediální učebnice chemie. <https://www.youtube.com/user/VideosChemWeb/videos>
13. E – learning kurz: Špeciálne praktikum školských pokusov I, <https://lms.upjs.sk/>

**Course language:**

**Notes:**

<b>Course assessment</b>					
Total number of assessed students: 43					
A	B	C	D	E	FX
51.16	37.21	9.3	2.33	0.0	0.0
<b>Provides:</b> doc. RNDr. Mária Ganajová, CSc., RNDr. Ivana Sotáková, Ph.D., RNDr. Martin Vavra, PhD.					
<b>Date of last modification:</b> 17.02.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚGE/SSG/16	<b>Course name:</b> Special Seminar in Geoinformatics
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b> 4.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b>	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b>	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 62	
abs	n
100.0	0.0
<b>Provides:</b> doc. Mgr. Michal Gallay, PhD., prof. Mgr. Jaroslav Hofierka, PhD., doc. RNDr. Ján Kaňuk, PhD.	
<b>Date of last modification:</b> 13.07.2022	
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚGE/SSH/21	<b>Course name:</b> Special Seminar in Human and Regional Geography
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b> 4.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b>	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b>	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 11	
abs	n
100.0	0.0
<b>Provides:</b> Mgr. Marián Kulla, PhD., doc. Mgr. Ladislav Novotný, PhD., RNDr. Stela Csachová, PhD., RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka, Mgr. Loránt Pregi, PhD.	
<b>Date of last modification:</b> 27.06.2022	
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚGE/SSF/21	<b>Course name:</b> Special Seminar in Physical Geography
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: 2 Per study period: 28</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b> 4.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b>	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b>	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 2	
abs	n
100.0	0.0
<b>Provides:</b> RNDr. Dušan Barabas, CSc., doc. Ing. Katarína Bónová, PhD., RNDr. Alena Gessert, PhD., univerzitná docentka	
<b>Date of last modification:</b> 27.06.2022	
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚGE/SSD/21	<b>Course name:</b> Special Seminar in didactics of geography
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b> 4.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b>	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b>	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 2	
abs	n
100.0	0.0
<b>Provides:</b> RNDr. Stela Csachová, PhD.	
<b>Date of last modification:</b> 27.06.2022	
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚCHV/ SPC1b/22	<b>Course name:</b> Special practising the school experiments II
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 3 <b>Per study period:</b> 42 <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 3	
<b>Recommended semester/trimester of the course:</b> 2.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> 1. Pressence is complusory. In the case of long-term absence can student realize experiments in alternative term. 2. Students activity - knowledges about reaction mechanisms and experimental skills to realize experiments. 3. Make reports of every exercise. <b>Classification:</b> 1. Short exams on the beginning of every exercise (max 35 points) 2. Reports of every exercise (max 15 points) 3. Two exams (each max 25 points, min 51%) A: 100 – 91% B: 90 – 81% C: 80 – 71% D: 70 – 61% E: 60 – 51%	
<b>Learning outcomes:</b> The students will become familiar with the basic laboratory skills and techniques that they can apply in demonstrating experiments in their future career as a teacher. The rules of healthy and safety laboratory work are emphasised. Students will apply their knowledges and skills in exploration activities in the topic of Natural compounds on the basis of 5E. They can motivate students using chemical experiments ( <a href="https://studiumchemie.cz/">https://studiumchemie.cz/</a> , <a href="https://www.youtube.com/user/VideosChemWeb/videos">https://www.youtube.com/user/VideosChemWeb/videos</a> , <a href="http://www.e-chembook.eu/">http://www.e-chembook.eu/</a> ).	
<b>Brief outline of the course:</b> 1. Qualitative analysis of organic compounds - confirmation reactions for carbon, hydrogen, halogens and nitrogen. 2. Alkanes - preparation of methane. 3. Alkenes - preparation of ethene and its confirmation using its addition reactions; addition reactions of $\beta$ -carotene. 4. Alkynes - preparation of acetylene and its derivatives, confirmation reactions of acetylene.	



5. Aromatic hydrocarbons and their derivatives – preparation of benzene, aromatic electrophilic substitution reactions – nitration of toluene and naphthalene, preparation of benzyl bromide.
6. Halogenoderivatives – preparation of chloroethane and iodoform.
7. Hydroxoderivatives – oxidation reactions of ethanol, ability to distinguish methanol from ethanol, confirmation reaction of glycerol, preparation of sodium ethanolate and sodium phenoxide, bromation of phenol, colour reactions of phenols and naphthols.
8. Ethers – properties of diethyl ether.
9. Carbonyl compounds - preparation of formaldehyde and acetaldehyde, confirmation reactions of aldehydes and ketones.
10. Carboxylic acids and their derivatives – esterification reactions, reaction of carboxylic acids with magnesium, preparation and properties of soap.
11. Natural compounds – carbohydrates, proteins, amino acids, lipids. Exploration activities on the topic of Natural compounds: fermentation, bioglue, murder and food
12. Natural pH indicator - study of its colour changes depending on pH values.
13. Column chromatography -acetylation reaction of ferrocene - its preparation and separation of the obtained products by column chromatography.
14. Isolation of the fragrant components using steam distillation.
15. Everyday life chemistry.

#### **Recommended literature:**

1. SMIK, L., MERVA, L., BRUTOVSKÁ, A: Technika a didaktika školských pokusov Košice: Vyd. Rektorát UPJŠ, 1988.
2. SMIK, L. a kol.: Špeciálna didaktika chémie II., Košice: Vyd. Rektorát UPJŠ, 1984.
3. Špeciálne praktikum školských pokusov z organickej chémie – Interné skriptá.
4. GANAJOVÁ a kol.: Zbierka inovatívnych metodík z chémie pre základné školy. 1. doplnené vydanie. Bratislava: CVTI SR, 2021. <https://vzdelavanie.itakademia.sk/vystupy/zim-che-zs.pdf>
5. GANAJOVÁ a kol.: Zbierka inovatívnych metodík z chémie pre stredné školy. 1. doplnené vydanie. Bratislava: CVTI SR, 2021. <https://vzdelavanie.itakademia.sk/vystupy/zim-che-ss.pdf>
6. Inovovaný štátny vzdelávací program pre 2. stupeň ZŠ. Človek a príroda. Chémia. [https://www.statpedu.sk/files/articles/dokumenty/inovovany-statny-vzdelavaci-program/chemia\\_nsv\\_2014.pdf](https://www.statpedu.sk/files/articles/dokumenty/inovovany-statny-vzdelavaci-program/chemia_nsv_2014.pdf)
7. Inovovaný štátny vzdelávací program pre gymnázia so štvorročným a päťročným vzdelávacím programom. Človek a príroda. Chémia. [https://www.statpedu.sk/files/articles/dokumenty/inovovany-statny-vzdelavaci-program/chemia\\_g\\_4\\_5\\_r.pdf](https://www.statpedu.sk/files/articles/dokumenty/inovovany-statny-vzdelavaci-program/chemia_g_4_5_r.pdf)
8. Učebnice chémie pre základné školy a gymnáziá.
9. Studium chemie. Portál PřF UK pro podporu vyuky chemie na SŠ a ZŠ. <https://studiumchemie.cz/>
10. E-ChemBook – Multimediální učebnice chemie. <https://www.youtube.com/user/VideosChemWeb/videos>

#### **Course language:**

slovak language

#### **Notes:**

#### **Course assessment**

Total number of assessed students: 42

A	B	C	D	E	FX
66.67	28.57	4.76	0.0	0.0	0.0

<b>Provides:</b> RNDr. Slávka Hamuláková, PhD., univerzitná docentka, RNDr. Jana Špaková Raschmanová, PhD., RNDr. Ján Elečko, PhD., RNDr. Kvetoslava Stanková, PhD.
<b>Date of last modification:</b> 16.02.2022
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚGE/SVG/04	<b>Course name:</b> Student Scientific Conference in Geography
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 4	
<b>Recommended semester/trimester of the course:</b> 4.	
<b>Course level:</b> I., II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b>	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b> After choosing a topic suggested by supervisors implying a geographical problem, the students will work on the topic, write a thesis and defense it before the committee.	
<b>Recommended literature:</b>	
<b>Course language:</b>	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 12	
abs	n
100.0	0.0
<b>Provides:</b> RNDr. Dušan Barabas, CSc., RNDr. Alena Gessert, PhD., univerzitná docentka, RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka, Mgr. Marián Kulla, PhD., doc. Ing. Katarína Bónová, PhD., RNDr. Stela Csachová, PhD.	
<b>Date of last modification:</b> 01.12.2021	
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> KPE/MPPa/15	<b>Course name:</b> Supervised Teaching Practice
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> 36s <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 1.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b>	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b>	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 785	
abs	n
100.0	0.0
<b>Provides:</b> doc. PhDr. Beata Gajdošová, PhD., doc. PaedDr. Renáta Orosová, PhD.	
<b>Date of last modification:</b> 14.09.2024	
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.	

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> KPE/PDU/15		<b>Course name:</b> Teaching Methodology and Pedagogy			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 2 <b>Per study period:</b> 28 / 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 5					
<b>Recommended semester/trimester of the course:</b> 1.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 856					
A	B	C	D	E	FX
24.77	28.27	26.4	14.37	5.72	0.47
<b>Provides:</b> doc. PaedDr. Renáta Orosová, PhD., Mgr. Zuzana Vagaská, PhD.					
<b>Date of last modification:</b> 18.09.2024					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> KPPaPZ/UPR/15	<b>Course name:</b> The Art of Aiding by Verbal Exchange
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week: 2 Per study period: 28</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 2	
<b>Recommended semester/trimester of the course:</b> 2.	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b> 1. Active participation in seminars 2. Elaboration and presentation of PPT presentation on the assigned topic. Maximum number of points 20; minimum number of points 11. 3. Final test in the range of 20 questions from selected chapters and lectures. Maximum number of points 20; minimum number of points 11. The final evaluation (mark) is the sum of points for the presentation and the test. A 40b - 37b B 36b - 33b C 32b - 29b D 28b - 25b E 24b - 21b FX 20b - 0b The evaluation of the course and its subsequent completion will be based on clearly and objectively set requirements, which will be set in advance and will not change. The aim of the assessment is to ensure an objective and fair mapping of the student's knowledge while adhering to all ethical and moral standards. There is no tolerance for students' fraudulent behavior, whether in the teaching process or in the assessment process.	
<b>Learning outcomes:</b> Provide students with basic information about a systemic approach to helping. Train interviewing, clarify orders. Reflect on help options. The student is able to demonstrate an understanding of the theoretical principles of conducting a helping conversation. The student is able to describe, explain and evaluate in what context to use which of the selected techniques to help the interview with the individual. The student is able to use basic selected techniques when working with an individual in the interview process. The method of teaching the subject will be oriented to the student. Lecturers will be interested in students' needs, expectations and opinions so as to encourage them to think critically by expressing respect and feedback on their opinions and needs. The content of the curriculum will be based on primary and high-quality sources that will reflect the topicality of the topics so as to ensure the connection of the curriculum with other subjects and also the connection of the curriculum with practice. Students will be expected to take an active approach in lectures and seminars with an emphasis on their independence and responsibility.	
<b>Brief outline of the course:</b>	

Psychological preparation for conducting an interview. Self-reflection of one's own possibilities, abilities to lead a conversation, to help. Possibilities of helping with conversations from the point of view of selected psychological approaches. Systematic approach to helping. Interview and professional ways to help and control. Objectivist and constructivist framework of conversation in theory and practice. Is it possible to help with control? Opening the interview, negotiating the course, course, ending the interview. Constructivist questions in the interview. Analysis of individual phases of conducting the interview. Reflex team possibilities of help in conversation. Models of reflective teams. Model situations of conducting an interview with an individual. Model situations of conducting an interview with a group. Professional possibilities, advantages and pitfalls of solving problems with an individual, with a group.					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 181					
A	B	C	D	E	FX
90.06	3.31	4.97	1.1	0.55	0.0
<b>Provides:</b> Mgr. Ondrej Kalina, PhD.					
<b>Date of last modification:</b> 12.09.2024					
<b>Approved:</b> prof. PhDr. Ol'ga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/ URG/21		<b>Course name:</b> Urban and Rural Geography			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 1 <b>Per study period:</b> 28 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 5					
<b>Recommended semester/trimester of the course:</b> 2.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 14					
A	B	C	D	E	FX
14.29	21.43	50.0	14.29	0.0	0.0
<b>Provides:</b> RNDr. Janetta Nestorová-Dická, PhD., univerzitná docentka, doc. Mgr. Ladislav Novotný, PhD.					
<b>Date of last modification:</b> 27.06.2022					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					



## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/ VKAR/23		<b>Course name:</b> Vybrané kapitoly z karsológie a speleológie			
<b>Course type, scope and the method:</b> <b>Course type:</b> Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 <b>Per study period:</b> 28 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 3					
<b>Recommended semester/trimester of the course:</b> 1.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
<b>Provides:</b> RNDr. Alena Gessert, PhD., univerzitná docentka					
<b>Date of last modification:</b> 23.02.2023					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚCHV/ VKOCHB/22		<b>Course name:</b> Vybrané kapitoly z organickej chémie a biochémie			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 1 <b>Per study period:</b> 28 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 4					
<b>Recommended semester/trimester of the course:</b> 3.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
<b>Provides:</b> prof. RNDr. Mária Kožurková, CSc., doc. RNDr. Miroslava Martinková, PhD., univerzitná profesorka, doc. RNDr. Ján Imrich, CSc.					
<b>Date of last modification:</b> 15.11.2021					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚCHV/ VKVACH/22		<b>Course name:</b> Vybrané kapitoly zo všeobecnej a anorganickej chémie			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 2 / 1 <b>Per study period:</b> 28 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 4					
<b>Recommended semester/trimester of the course:</b> 3.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 39					
A	B	C	D	E	FX
74.36	25.64	0.0	0.0	0.0	0.0
<b>Provides:</b> prof. RNDr. Vladimír Zeleňák, DrSc., prof. RNDr. Zuzana Vargová, Ph.D.					
<b>Date of last modification:</b> 16.11.2021					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice					
<b>Faculty:</b> Faculty of Science					
<b>Course ID:</b> ÚGE/ GEN/23		<b>Course name:</b> Úvod do geografie energie			
<b>Course type, scope and the method:</b> <b>Course type:</b> Lecture / Practice <b>Recommended course-load (hours):</b> <b>Per week:</b> 1 / 1 <b>Per study period:</b> 14 / 14 <b>Course method:</b> present					
<b>Number of ECTS credits:</b> 3					
<b>Recommended semester/trimester of the course:</b> 2.					
<b>Course level:</b> II.					
<b>Prerequisites:</b>					
<b>Conditions for course completion:</b>					
<b>Learning outcomes:</b>					
<b>Brief outline of the course:</b>					
<b>Recommended literature:</b>					
<b>Course language:</b>					
<b>Notes:</b>					
<b>Course assessment</b> Total number of assessed students: 0					
A	B	C	D	E	FX
0.0	0.0	0.0	0.0	0.0	0.0
<b>Provides:</b> Mgr. Marián Kulla, PhD.					
<b>Date of last modification:</b> 23.02.2023					
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.					

## COURSE INFORMATION LETTER

<b>University:</b> P. J. Šafárik University in Košice	
<b>Faculty:</b> Faculty of Science	
<b>Course ID:</b> ÚCHV/ SVKCHX/22	<b>Course name:</b> ŠVK (vystúpenie)
<b>Course type, scope and the method:</b> <b>Course type:</b> <b>Recommended course-load (hours):</b> <b>Per week: Per study period:</b> <b>Course method:</b> present	
<b>Number of ECTS credits:</b> 4	
<b>Recommended semester/trimester of the course:</b>	
<b>Course level:</b> II.	
<b>Prerequisites:</b>	
<b>Conditions for course completion:</b>	
<b>Learning outcomes:</b>	
<b>Brief outline of the course:</b>	
<b>Recommended literature:</b>	
<b>Course language:</b>	
<b>Notes:</b>	
<b>Course assessment</b> Total number of assessed students: 5	
abs	n
100.0	0.0
<b>Provides:</b>	
<b>Date of last modification:</b> 30.06.2022	
<b>Approved:</b> prof. PhDr. Oľga Orosová, CSc., doc. RNDr. Mária Ganajová, CSc., prof. Mgr. Jaroslav Hofierka, PhD.	