## **COURSE INFORMATION SHEET**

University: Catholic University in Ružomberok							
Faculty: Faculty of Education							
Course code: KBE/Bi- MD102A/22	Course title: Environmental Chemistry						
Type and range of planned Form of instruction: Sem Recommended study ran hours weekly: 1 hour Teaching method: on-site	learning activities and teaching methods: inar ge: s per semester: 13						
Credits: 1	Working load: 25 hours						
Recommended semester/trimester: 1.							
Level of study: II.							
Prerequisities:							
Requirements for passing to Verification of the degree of student is carried out on the teaching of the subject. During the semester, the st applied chemistry to the e environmental components. Continuous assessment duri - The student demonstrates in the field and the laborator - The student prepares and content outline of the subject Final assessment: cumulativ practical exam (50%). Subject evaluation: A - 100%-93% B - 92%-85% C - 84%-77% D - 76%-69% E - 68%-60% Fx - 59%-0% <b>Learning outcomes of the o</b> After completing the subject	<b>Pre-course:</b> Cacquisition of the relevant knowledge, skills and competencies of the e basis of theoretical and practical examinations during the semester udent demonstrates his theoretical knowledge and practical skills in nvironment, while monitoring and analyzing selected indicators of ng the semester: practical skills in monitoring selected components of the environment ry can obtain max. 10 points. presents a semester paper on a specific topic in accordance with the et (maximum 40 points). ve percentage gain from the interim assessment (50%) and the oral						
<ul> <li>competences:</li> <li>is able to deal critically environment,</li> <li>knows how to implement monitored indicators for selection.</li> </ul>	<i>y</i> with the theoretical background from applied chemistry to the t, monitor and analyze in the laboratory, in the field the quality of ected components of the environment,						

- is able to analyze and synthesize new knowledge from professional and scientific literature in the field of environmental chemistry and implement them appropriately in pedagogical practice.

Course contents:
1. Biosphere, human living and working environment.
2. Air and its pollution.
3. Water and its pollution.
4. Land and its protection.
5. Treatment and purification of water.
6. Limitation of air pollution.
7. Radioactive contamination of the natural environment.
8. Waste disposal.
9. Assessment of pollution of environmental components.
10. Water analysis.
11. Soil analysis.
12. Assessment and management of environmental risks.
Recommended or required literature:
ILAVSKÝ, J. a kol., 2008. Chémia vody a hydrobiológia. STU Bratislava, 2008, 303 s., ISBN
978-80-227-2930-7.
PITTER, P., 2009. Hydrochemie. VŠCHT Praha, 2009, 579 s., ISBN 978-80-7080-701-9.
VYSOUDIL M., 2002. Ochrana ovzduší. Univerzita Palackého v Olomouci, Olomouc, 2002, 114
s., ISBN 80-244-0400-1.
s., ISBN 80-244-0400-1. PROUSEK, J., ČÍK, G., 2011. Základy ekológie a environmentalistiky. STU, Bratislava, 2011,
s., ISBN 80-244-0400-1. PROUSEK, J., ČÍK, G., 2011. Základy ekológie a environmentalistiky. STU, Bratislava, 2011, 212 s., ISBN 978-80-227-3601-5.
s., ISBN 80-244-0400-1. PROUSEK, J., ČÍK, G., 2011. Základy ekológie a environmentalistiky. STU, Bratislava, 2011, 212 s., ISBN 978-80-227-3601-5. ČERMÁK, O., a kol., Životné prostredie. Bratislava : Slovenská technická univerzita , 2008, 390
s., ISBN 80-244-0400-1. PROUSEK, J., ČÍK, G., 2011. Základy ekológie a environmentalistiky. STU, Bratislava, 2011, 212 s., ISBN 978-80-227-3601-5. ČERMÁK, O., a kol., Životné prostredie. Bratislava : Slovenská technická univerzita , 2008, 390 s. ISBN 978-80-227-2958-1.
<ul> <li>s., ISBN 80-244-0400-1.</li> <li>PROUSEK, J., ČÍK, G., 2011. Základy ekológie a environmentalistiky. STU, Bratislava, 2011, 212 s., ISBN 978-80-227-3601-5.</li> <li>ČERMÁK, O., a kol., Životné prostredie. Bratislava : Slovenská technická univerzita , 2008, 390 s. ISBN 978-80-227-2958-1.</li> <li>Language of instruction:</li> </ul>
<ul> <li>s., ISBN 80-244-0400-1.</li> <li>PROUSEK, J., ČÍK, G., 2011. Základy ekológie a environmentalistiky. STU, Bratislava, 2011, 212 s., ISBN 978-80-227-3601-5.</li> <li>ČERMÁK, O., a kol., Životné prostredie. Bratislava : Slovenská technická univerzita , 2008, 390 s. ISBN 978-80-227-2958-1.</li> <li>Language of instruction: English language.</li> </ul>

## **Course evaluation:**

Assessed students in total: 12

А	В	С	D	Е	FX
91.67	0.0	0.0	8.33	0.0	0.0

Name of lecturer(s): Ing. Dana Blahútová, PhD.

Last modification: 22.08.2022

## Supervisor(s):

Guarantor:

Administrátor Systému

People responsible for the delivery, development and quality of the study programme:

prof. ThDr. Rastislav Adamko, PhD., doc. RNDr. Pavel Bella, PhD., prof. PaedDr. Mgr. art. Rastislav Biarinec, ArtD., prof. Irina Chelysheva, DrSc., prof. PaedDr. František Dlugoš, PhD., prof. PhDr. Ingrid Emmerová, PhD., doc. Tatiana Korenkova, CSc., Prof. Dr. hab. Wojciech Józef Kunicki, prof. PaedDr. Milan Ligoš, CSc., doc. Mgr. Eva Litavcová, PhD., prof. PhDr. David Papajík, PhD., doc. Ing. Miroslav Saniga, CSc., prof. Nóra Séllei, PhD., DrSc., PhDr. ThLic. Martin Taraj, PhD., prof. Dr. phil. fac. theol. Peter Volek, prof. Mgr. Martin Zvonař, Ph.D., doc. Ing. Igor Černák, PhD.