Name of the study programme: Maste	r academic studies in Cher	nistry			
Course title: ANALYTICS OF ORGA	NIC POLLUTANTS		Co	de:	IHA-511
Professor: Daniela Šojić					
Status: Elective					
ESPB: 6					
Requirements: -					
Learning objectives The goal of the course is expansion of the chemistry of organic pollutants of air, we removal and degradation of persistent of trained for using appropriate analytical to the course outcomes	neoretical and practical kno ater and soil. Students will rganic pollutants and forme echnique	wledge and und be trained in me ed intermediates	lerstanding in odern and ade from the env	the field of a equate proce- ironment. Th	analytical dure for the ney will be
 Learning outcomes Upon successful completion of this cour explain the influence of persis suggest a modern and adequat pharmaceuticals, dyes, phenol apply acquired knowledge abo solving unknown analytical pr apply acquired knowledge in of that arise during the process of clearly and accurately analyze technique. 	rse the student is able to: tent organic pollutants on t e procedure for the remova s, polycyclic aromatic hyd out chromatographic techni oblems during the decomp qualitative and quantitative f their decomposition, and and interpret the experime	the environment of persistent or rocarbons) from ques and technic osition process analysis of a va ental results obta	rganic polluta the environm que of total or of organic pol riety of organ ined by using	ints (pesticid ient, ganic carbon llutants, ic pollutants appropriate	es, n assessment ir s and products analytical
 Drganic pollutants in general: types of cources, properties, stability, solubility, organic pollutants. Advanced oxidation <i>Practical instruction</i> Che application of liquid chromatographorganic pollutants. Literature Stanley E. Manahan, Fundamentals W. G. Landis, MH. Yu, Introduct 3rd Ed. CRC, 2003 D. A. Crowl, J. F. Louva, Chemica A series of electronic teaching mate photocatalysis: fundamentals and a 	rganic pollutants. Sources toxicity, resistance to degr processes in removal of pe by and gas chromatography s of Environmental Chemis ion to Environmental Toxi l Process Safety: Fundame erials developed within the pplications to the removal	of pollution. Per adation, evapora rsistent organic r for the qualitati try, 8th Ed, CRC cology: Impacts ntals with Appli ERASMUS + " of herbicide mea	rsistent organi ition, bioaccur pollutants. ive and quant C, 2004 of Chemicals cations, 2nd I 'NETCHEM" sotrione from	tative analys Upon Ecolo Ed, Prentice project: Het water (D. Še	Structures, persistent sis of different ogical Systems Hall, 2001 erogeneous ojić Merkulov)
http://mdl.netchem.ac.rs/course/vie 4uxiliary literature 1. D. V. Šojić Merkulov, Presentation 2. Electronic databases	w.php?id=20- of lectures				
Weakly teaching load					Other
Lectures 2	Excercises 2		Other forms of teaching 1	Student research	
Feaching methodology	1			I	
Lectures, lab work, video/PDF files (<u>http://netchem</u> lemonstration exercises (<u>http://netchem</u> and consultations.	<u>p://mdl.netchem.ac.rs/cour</u> .ac.rs/remote-access), seare	se/view.php?id= ching the approp	20-), remote a priate electron	access of sel	ected , seminar work
Assessment of knowledge (maximum	of 100 points)				
Pre-exam obligations	Points	Final exam		Points	
activity during lecture classes	5	written exam			20

oral exam

20

25

30

practical teaching

seminars