Table S2.6.4. Form for the preparation of the course information sheets					
Name of the subject	Metal complexes and their application				
Code of the subject	Status of the subject	Semester	Number of ECTS credits	Class load	
	Elective course	2	2		
	FOR WHICH IT IS ORGANI			l	
PhD Program "Natural DEPENDENCY BY OTH	sciences and Technology ER SUBJECTS:	for Sustainable D	evelopment",		
No					
OBJECTIVES OF STUDY		dorstand one very	important group of compounds with	application use	
and potentially new ap Contents of the s	plication use in medicine,	pharmacy, industr its, forms of st	y, agriculture. udents' individual work, fo		
Preparatory week					
l week	Classification of ligands, classification of complex compounds				
II week	New Ligands And New Complex Compounds				
III week	Geometric structures and isomerism in complex compounds				
IV week	Synthesis methods for complex compounds				
V week	Properties of complex compounds				
VI week	Spectroscopic methods-techniques for characterizing complex compounds - NMR				
VII week	Spectroscopic methods-techniques for characterizing complex compounds - NQR, EPR, ESR				
VIII week	Spectroscopic methods-techniques for characterizing complex compounds -X-Ray				
IX week	Spectroscopic methods-techniques for characterizing complex compounds - Raman				
X week	Spectroscopic methods-techniques for characterizing complex compounds - FTIR				
XI week	Some aspects of bioinorganic chemistry				
XII week	Groups of ligands and their selected complexes - applications in medicine				
XIII week	Groups of ligands and their selected complexes - applications in medicine Groups of ligands and their selected complexes - application in pharmacy				
XIV week	Groups of ligands and their selected complexes - application in praimacy				
XV week	Ligand groups and their selected complexes - applications in agriculture				
METHODS OF EDUCAT			es - industrial applications		
STUDENTS' LOAD					
Weekly		In semester			
5 credits x 40/30 = 6 hours and 40 minutes		Lectures and final exam: (6 hours and 40 minutes) x 16 = 106 hours and 40 minutes Necessary preparations before the start of the semester: (administration, enrolment, verification)			
Structure: 2 hours of lectures 0 hours of exercises 1 hours of practical work		(administration, enrolment, verification) 2 x (6 hours and 40 minutes) = 13 hours and 20 minutes Total subject load: 5 x 30 = 150 hours			

3 hours and 40 minutes of individual work, including consultation	Additional hours for preparing correction of final exam, including the taking of the exam: 150h - (120h) = 30h Load structure: 106 hours and 40 minutes (Lectures) + 13 hours and		
	20 minutes (Preparation) + 30 hours (Remedial classes)		
STUDENTS' OBLIGATIONS DURING TH			
Students are obliged to attend lectures	s and laboratory exercises		
LITERATURE:			
I Llc, 2013			
LEARNING OUTCOMES (COMPLIED W Demonstrates a theoretical and practical know	ITH THE OUTCOMES FOR THE STUDY PROGRAMME): ledge and understanding of:		
obtained. He knows the particular classes of ligands and t Knows and compares techniques for characteriz	somerism of complex compounds as an important aspect of the properties their complexes zing complexes dividual ligands and complexes in structural type and therefore in properties		
Transferable / Key Skills and other attributes:			
	Is and the use of methods - techniques for characterizing complexes		
FORMS OF TESTS AND EVALUATION: Completed lab work 35%			
Written examination50%Other activities (homeworks).15%			
NAME AND SURNAME OF TEACHER A	ND ASSOCIATE:		
Prof. Željko Jaćimović, Prof. Nedeljko L	atinovic		
PARTICULARITIES NEEDED TO BE EMP	HASIZED FOR THE SUBJECT:		
Note (if needed):			