



UNIVERSITY OF SARAJEVO – FACULTY OF SCIENCE
Department of Chemistry

Course ID: HODOA16	Course name: SPECIAL TOPICS IN INORGANIC CHEMISTRY		
Cycle: THIRD	Year: FIRST	Semester: I	ECTS credits: 7
Course status: ELECTIVE	Total course hours: 45 Lectures: 30 Laboratory: 15		
Teaching participants:	Teachers and associates with expertise in the field to which the subject belongs		
Prerequisite for enrollment:	-		
Course aims:	Synthesis and application of complex compounds with N-heterocycles.		
Thematic course units:	N-heterocycles – structure, properties and applications. N-heterocycles as ligands in complex compounds. Selected syntheses of complex compounds with N-heterocycles. Application of complex compounds with N-heterocycles.		
Assessment methods and grading system¹:	Grading criteria		
	Criteria	Maximal score	Required score
	1. Tests	1 × 30	16,5
	2. Seminars	1 × 30	16,5
	3. Final exam	40	22
	Total	100	55
	Scores and grading		
	Score	Grade (BiH)	Grade (ECTS)
	< 55	5	F, FX
	55–64	6	E
	65–74	7	D
75–84	8	C	
85–94	9	B	
95–100	10	A	

¹The grading structure for each subject is determined by the Council of the organizational unit before the beginning of the academic year in which the subject is taught as per Article 64, paragraph 6 of the Law on Higher Education of Sarajevo Canton

Literature²:	<p>Supplementary literature:</p> <ol style="list-style-type: none">1. Original scientific papers2. C. Jones, J. Thornback, Medicinal Applications in Coordination Chemistry, RSC, 2007.3. J. C. Dabrowiak, Metals in Medicine, John Wiley & Sons, 2009.4. J. A. Joule, K. Mills, Heterocyclic Chemistry, 5th ed., Blackwell Publishing Ltd, 2010.5. A. R. Katritzky, C. A. Ramsden, J. A. Joule, V. V. Zhdankin, Handbook of Heterocyclic Chemistry, 3rd ed., Elsevier Ltd., 2010.6. Louis D. Quin, John A. Tyrell, Fundamentals of Heterocyclic Chemistry-Importance in Nature and in the Synthesis of Pharmaceuticals, John Wiley & Sons, 2010.
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²The Senate of the higher education institution, as an institution, or the Council of the organizational unit of the higher education institution, as a public institution, determines by a special decision, which is published on its website before the beginning of the academic year obligatory, mandatory and recommended textbooks and manuals, as well as other recommended literature based on which exams are prepared and taken as per Article 56, paragraph 3 of the Law on Higher Education of the Sarajevo Canton