
		UNIVERSITY OF EAST SARAJEVO						
		Faculty of Technology Zvornik						
		Study program: Chemical Engineering and Technology						
		I cycle		IV year of study				
Course title		PREPARATION OF MINERAL RAW MATERIALS						
Department		Department for Process Engineering- Faculty of Technology Zvornik						
Course code		Status		Semester		ECTS		
04-2-052-7		Elective		VI		6		
Professor		Vladan Mičić, PhD, full professor						
Assistant		Vladan Mičić, PhD, full professor						
Class fund/ teaching load (weekly)			Individual student workload (in semester hours)			Student load factor S_o		
Lectures	Auditory Exercises	Laboratory Exercises	Lectures	Auditory Exercises	Laboratory Exercises	S_o		
2	1	0	63	42	0	1,40		
total teaching load (in hours, per semester) $2*15 + 1*15 + 0*15 = 45$			total student workload (in hours, per semester) $2*15*1,4 + 1*15*1,4 + 0*15*1,4 = 63$					
Total course load (teaching + student) $45+63=108$ semester hours								
Learning outcomes		After finishing the course, students will be able to: <ol style="list-style-type: none"> 1. understand the importance and basic practical aspects of the preparation of mineral raw materials 2. use literature data and results of laboratory analyses, necessary for defining the basic processes and equipment for the preparation of mineral raw materials 3. demonstrate and utilize the knowledge of different processes and equipment for the preparation of mineral raw materials 4. analyze and create basic configurations of mineral raw materials preparation 5. use modern software tools (MATLAB) in solving engineering problems related to the management of the preparation of mineral raw materials. 						
Prerequisites		-						
Teaching methods		Lectures, exercises, seminar paper, consultations						
Syllabus outline per week		<ol style="list-style-type: none"> 1. Processes in the preparation of mineral raw materials 2. Crushing 3. Grinding 4. Sifting 5. Classification of fluids 6. Machines for washing mineral raw materials 7. Magnetic enrichment methods 8. Methods of electrical enrichment 9. Special enrichment methods 10. Control of the enrichment process 11. Drainage and dust removal 12. Consolidation of mineral raw materials 13. Homogenization 14. Storage of ore and products 15. Process control and sampling 						
Required literature								
Author		Title of publication, publisher		Year	Pages (from-to)			
Časlav Jevremović		„Priprema mineralnih sirovina“, Univerzitet u Tuzli, Rudarsko-geološki fakultet		1984	1 - 309			
Supplementary literature								

Author	Title of publication, publisher	Year	Pages (from-to)
Nadežda Čalić	„Priprema mineralnih sirovina“, Univerzitet u Banjoj Luci, Rudarski fakultet Prijedor	2012	1 - 262
Barry A. Wills, Tim Napier-Munn	„Mineral Processing Technology“, Elsevier Science & Technology Books; ISBN: 0750644508	2006	1 - 442
Obligations, assessment methods and grading system	Type of student evaluation	Points	Percentage
	Pre-exam obligations		
	Attendance at lectures/exercises	6	6 %
	Mid-term test (Colloquium) 1	25	25 %
	Mid-term test (Colloquium) 2	25	25 %
	Seminar paper	14	14 %
	Final exam		
	Final exam	30	30%
TOTAL	100	100 %	
Web page	www.tfzv.ues.rs.ba		
Date of certification			