



UNIVERSITETI - UNIVERSITY
“ISA BOLETINI”
MITROVICË

Institution Name	UIBM
Faculty/Department	Geosciences/ Materials and Metallurgy
Name of study program	Materials and Metallurgy
Qualification level according to KQF	VI
Name of degree or academic degree	Bachelor of Materials and Metallurgy
ECTS	180
The minimum duration of the program	3
Number of students per year	20
Accredited program up to	2024

Program objectives	<p>Objective 1: Increasing interest in studies in the field of metallurgy, metallic and non- metallic materials through quality studies.</p> <p>Objective 2. Develop the program in accordance with best practices and standards for student training in the production, processing, use and recycling of metals and their products, including environmental principles, socio-economic development, safety and health</p> <p>Objective 3: Engagement and cooperation in relation professors - students for the realization of curricula using lectures, exercises, laboratories and industrial practice to expand professional scientific research knowledge.</p>
Learning outcomes of the program	<ol style="list-style-type: none"> 1. Recognize metals 2. Explain metallurgical processes 3. Use the laboratory the basic methods for calculation of results obtained; 4. Understand heat transformation, in furnaces, refractory materials 5. Summarize the knowledge from the part of lectures and the industrial and laboratory part. 6. Prepare the test (report) with all the necessary data according to the relevant standard. 7. To compare the values of the obtained results with the reference values of the respective standard. 8. Develop engineering computing skills, and use them to solve problems.

First year

Semester I			hours/week			ECTS	Professor
code	Statute	Subject	L	U			
101.M	O	Mathematics I	3	2	7		Arbërie Krasniqi
102.M	O	Physics I	3	2	7		Nazmi Hasi
103.M	O	General chemistry	3	2	6		Fatos Rexhepi
104.M	O	English language I	2	2	5		Sadete Pllana
105.M	E	Application Software	2	2	5		Naser Peci
106.M	E	Basics of informatics	2	2	5		Izet Zeqiri
107.M	E	Optional subjects	2	2	5		
Semester II							
108.M	O	Mathematics II	3	2	7		Arbërie Krasniqi
109.M	O	Physics II	3	2	7		Nazmi Hasi
110.M	O	Inorganic chemistry	3	2	6		Aziz Behrami
111.M	O	English language II	2	2	5		Sadete Pllana
112.M	E	Fundamentals of Metallurgy	2	2	5		Nurten Deva
113.M	E	Physical education	0	2	2		
113.M	E	Optional subject	2	2	3		
114.M	E	Optional subject	2	2	3		
Second Year							
Semester III							
201.M	O	Physical Chemistry I	3	2	7		Arbër Zeqiraj
202. M	O	Basics of materials science I	3	2	6		Muharrem Zabeli
203. M	O	Fundamentals of materials technology I	3	2	6		Nurten Deva
204. M	O	Technical mechanics	3	2	6		Nazmi Hasi
205. M	E	Thermo-engineering	2	2	5		Nurten Deva
206. M	E	Metallurgical processes	2	2	5		Afrim Osmani
207.M	E	Safety and protection at work	2	2	5		Izet Ibrahimimi
208.M	E	Fluid dynamics	2	2	5		Muharrem Zabeli
Semester III							
209. M.	O	Physical Chemistry II	3	2	7		
210. M.	O	Basics of materials science II	3	2	6		Muharrem Zabeli
211. M.	O	Fundamentals of materials technology I	3	2	7		Nurten Deva
212. M.	E	Materialography	2	2	5		Mimoza Kovaçi-Azemi
213. M	E	Engineering Economy	2	2	5		Nurten Deva
214. M	E	Electrotechnics	2	2	5		Nazmi Hasi
215.M	E	Metallurgical equipment's and automation in metallurgy	2	2	5		n Zabeli
216.M	E	Quality assurance in industry	2	2	5		Izet Ibrahimimi

30 ECTC per semester.

SPECIALIZATION –METALLURGY**Third year**

Semester V			hours/week			Teacher
Nr.	Statute	Subject	L	E	ECTS	
301.M.Ib	O	Pyrometallurgy I	3	2	6	Zarife Bajraktari- Gashi
302.MIb	O	Non-ferrous metallurgy	3	2	6	Muharrem Zabeli
303.MIb	O	Iron and steel metallurgy	3	2	6	Izet Ibrahimimi
304.M.Ib	E	Processing of metals in liquid state	2	2	4	Nurten Deva
305.M.Ib	E	Refractory materials in metallurgy	2	2	4	Izet Ibrahimimi
306.M.Ib	E	Processing of metals in Plastic state	2	2	4	Nurten Deva
Semester VI						
Hours/week						
307.M.Ib	O	Pyrometallurgy I	3	2	5	Zarife Bajraktari- Gashi
308.M.Ib	O	Electro-hydroemntallurgy	3	2	6	Nurten Deva
309.M.Ib	O	Industrial practice		3	4	Zarife Bajraktari- Gashi
310. M.Ib	E	Ferronickel production technology	2	2	5	Zarife Bajraktari- Gashi
311.M.Ib	E	Processing of iron and steel in liquid state	2	2	5	Muharrem Zabeli
312.M.Ib	E	Metallurgy of lead production	2	2	5	Muharrem Zabeli
313.M.Ib	E	Metallurgy of zinc production	2	2	5	Muharrem Zabeli

314.M.I.b	E	Secondary processes for metals obtaining	2	2	5	Izet Ibrahimi
<hr/>		Bachelor paper	0		10	