

PREDDIPLOMSKI STUDIJ METALURGIJA/UNDERGRADUATE STUDY METALLURGY
KOLEGIJI KOJI SE IZVODE NA STRANOM JEZIKU/COURSES IN FOREIGN LANGUAGE

Semestar/Semester	Naziv kolegija	Course	Strani jezik/language
1.	Fizika 1	Physics 1	Engleski/English
	Uvod u metalurgiju	Introduction to metallurgy	Engleski/English
	Uvod u ekologiju	Introduction to ecology	Engleski/English
	Održivi razvoj	Sustainable development	Engleski/English
2.	Fizika 2	Physics 2	Engleski/English
	Anorganska kemija	Inorganic chemistry	Engleski/English
	Tehničko crtanje i računalna grafika	Engineering drawing and computer graphics	Engleski/English
3.	Fizikalna kemija	Physical chemistry	Engleski/English
	Fizikalna metalurgija 1	Physical metallurgy 1	Engleski/English
	Tehnička mehanika	Engineering mechanics	Engleski/English
	Organska kemija	Organic chemistry	Engleski/English
4.	Teorija metalurških procesa 1	Theory of metallurgical processes 1	Engleski/English
	Ispitivanje materijala	Materials testing	Engleski/English Ruski/Russian
	Osnove strojarstva	Fundamentals of mechanical engineering	Engleski/English
	Metalurgija i okoliš	Metallurgy and environment	Engleski/English
5.	Tehnologije oblikovanja deformiranjem	Metal forming technologies	Engleski/English Ruski/Russian
	Onečišćenje i zaštita zraka i tla	Polution and protection of air and soil	Engleski/English
6.	Metalurgija čelika	Steel metallurgy	Engleski/English
	Osnove toplinske obrade i zavarivanja	Fundamentals of heat treatment and welding	Engleski/English
	Metalurgija i okoliš	Metallurgy and environment	Engleski/English
	Recikliranje električnog i elektroničkog otpada	Recycling of electrical and electronic waste	Engleski/English
	Metalurgija ferolegura	Ferrous alloys metallurgy	Engleski/English
	Gospodarenje energijom	Energy management	Engleski/English

DIPLOMSKI STUDIJ METALURGIJA/GRADUATE STUDY METALLURGY
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Semestar/Semester	Naziv kolegija	Course	Strani jezik/language
1.	Teorija metalurških procesa 2	Theory of metallurgical processes 2	Engleski/English
	Fizikalna kemija metalurških procesa	Physical chemistry of metallurgical processes	Engleski/English
	Termodinamika materijala	Thermodynamics of materials	Engleski/English
2.	Teorija lijevanja metala	Theory of metal casting	Engleski/English
	Gospodarenje energijom	Energy management	Engleski/English
	Numeričko modeliranje metalurških procesa	Numerical modelling of metallurgical processes	Engleski/English
	Tehnike spajanja i rezanja	Techniques of joining and cutting	Engleski/English
3.	Toplinska obrada i specijalni čelici	Heat treatment and special steels	Engleski/English
	Korozija i zaštita metala	Metal corrosion and protection	Engleski/English
	Hidrometalurgija	Hidrometallurgy	Engleski/English
	Zaštita okoliša	Environment protection	Engleski/English
	Mjerenja u metalurgiji	Measurements in metallurgy	Engleski/English
	Optimiranje oblikovanja odljevaka	Optimisation of castings forming	Engleski/English
4.	Modul: Procesna metalurgija i ljevarstvo/Modulus: Process metallurgy and founding		
	Simulacija skrućivanja	Solidification simulation	Engleski/English Ruski/Russian
	Suvremene tehnologije lijevanja metala	Contemporary metal casting technologies	Engleski/English
	Elektrometalurgija	Electrometallurgy	Engleski/English
	Modul: Mehanička metalurgija/Modulus: Mechanical metallurgy		
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	Modul: Inženjerski metalni materijali/Modulus: Engineering metallic materials		
	Metalurgija praha i sintermaterijali	Powder metallurgy and sinter materials	Engleski/English
Površinska obrada	Surface treatment	Engleski/English	

**PREDDIPLOMSKI STRUČNI IZVANREDNI STUDIJ LJEVARSTVO/UNDERGRADUATE UNIVERSITY
SPECIALIZED STUDY-AS-YOU-WORK COURSE OF FOUNDRY
KOLEGIJI KOJI SE IZVODE NA STRANOM JEZIKU/COURSES IN FOREIGN LANGUAGE**

Semestar/Semester	Naziv kolegija	Course	Strani jezik/language
1.	Fizika	Physics	Engleski/English
	Tehničko crtanje i elementi strojeva	Engineering drawing and machine elements	Engleski/English
2.	Osnove fizikalne metalurgije	Fundamentals of physical metallurgy	Engleski/English
	Termodinamika i kinetika metalurških procesa	Thermodynamics and kinetics of metallurgical processes	Engleski/English
3.	Osnove skrućivanja i razvoja mikrostrukture	Fundamentals of solidification and microstructure development	Engleski/English
	Zbrinjavanje i uporaba ljevaoničkih materijala	Disposal and recycling of casting materials	Engleski/English
4.	Tehnologija lijevanja obojenih metala	Technology of non-ferrous metals casting	Engleski/English
	Primjena informatičkih tehnologija u ljevarstvu	Application of information technology in foundry	Engleski/English
	Toplinska obrada	Heat treatment	Engleski/English
	Ispitivanje materijala	Materials testing	Engleski/English Ruski/Russian
5.	Metalografska analiza	Metallographic analysis	
	Zavarivanje	Welding	Engleski/English
	Osnove modeliranja u ljevarstvu	Fundamentals of modelling in foundry	Engleski/English Ruski/Russian
	Korozija i zaštita odljevaka	Corrosion and protection of castings	Engleski/English
	Inženjerstvo površina	Surface engineering	Engleski/English