

Subjects of the First Study Cycle							
Subject code	Subject	Subject status	Faculty	Department/section	Year/semester	Fund hours	ECTS
02K06-001	Foundry	Obligatory	FENS	EM	III/VI	3/1/1	6
02K06-002	Metallurgy of non-ferrous metals	Obligatory	FENS	EM	III/V	3/2/1	6
02K06-003	Electrolysis of aluminum	Elective	FENS	EM	IV/VII-VIII	2/1/1	5
02K06-004	Metallurgy of ferroalloys	Elective	FENS	EM	IV/VII-VIII	2/1/1	5
02K06-006	Cast Iron Alloy Metallurgy	Obligatory	FENS	EM	IV/VII	2/2/1	4
02K06-007	Metallurgy of cast alloys of non-ferrous metals	Obligatory	FENS	EM	III/VI	2/1/0	3
02K06-010	Mold making technology	Obligatory	FENS	EM	IV/VII	2/1/1	3
02K06-011	Cast construction	Elective	FENS	EM	IV/VII-VIII	2/1/1	5
02K06-012	New technologies of metal extraction	Elective	FENS	EM	IV/VII-VIII	2/1/1	5
02K06-013	New casting technologies	Elective	FENS	EM-mm	IV/VII-VIII	2/0/2	5

FENS – Faculty of Engineering and Natural Sciences, EM – Engineering of Metallurgy, EM-mm- Engineering of Materials metallic materials

Subjects of the Second Study Cycle							
Subject code	Subject	Subject status	Faculty	Department/section	Year/semester	Fund hours	ECTS
02K06-042	CAD – CAM in foundry	Elective	FENS	EM	I/I	3/2/0	6
02K06-043	New molding technologies	Elective	FENS	EM	I/I	3/2/0	6

Subjects of the Third Study Cycle (Joint study of technical faculties)					
Subject	Subject status	Semester	Fund hours	ECTS	
Computer simulation in foundry	Elective	I/II/III	20	5	
Aluminum alloys	Elective	I/II/III	20	5	
Solidification and development of microstructure in castings	Elective	I/II/III	20	5	
Contemporary procedures in foundry	Elective	I/II/III	20	5	
Transport phenomena in casting	Elective	I/II/III	20	5	