

1st year

[NTF](#) › [OMM](#) › [Study](#) › [Master's Degree](#) › [Materials and Metallurgy](#) › [Curriculum](#) › [1st year](#)

Course	Hours					ECTS
	L	S	P	O	Σ	
1st semester	225	70	160	0	455	30
Thermodynamics of materials II	45	15	30	0	90	6
Physical metallurgy II	45	10	35	0	90	6
Computational materials science	45	15	30	0	90	6
Industrial ecology and energetics	45	15	30	0	90	6
Casting II	45	15	35	0	95	6
2nd semester	180	40	155	15	390	30
Steelmaking II	30	20	25	15	90	6
Materials testing	30	0	30	0	60	4
Forming II	45	10	35	0	90	6
Physical metallurgy of steel	45	10	35	0	90	6
Welding	30	0	30	0	60	4
Mechanical processing of materials - practicum	0	0	0	0	0	4
TOTAL	405	110	315	15	845	60

Abbreviations used for the syllabus:

L – lectures

S – seminar

P – practice

O – other forms of educational activities (mainly project work)

ECTS – European Credits Transfer System (1 credit point equals a 30-hour student workload)

Grey – Grey written courses are not carried out in this academic year