

2nd year

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Course	Hours					ECTS
	L	S	P	O	Σ	
3rd semester	245	15	250	60	570	34
Practicals in thermodynamics	20	0	40	0	60	4
• Dust particles transfer	30	15	30	0	75	5
• Physical metallurgy 1	60	0	30	0	90	6
• Mathematics 3	30	0	30	60	120	4
• Materials mechanics	45	0	30	0	75	5
• Thermodynamics of materials	45	0	30	0	75	5
• Thermodynamic practicum	15	0	60	0	75	5
4th semester	195	15	180	390	780	26
• Numerical modelling	30	15	30	75	150	5
• Production systems in solid state	60	0	30	90	180	6
• Materials analysis and testing	45	0	30	75	150	5
• Management of processes with metal melts	45	0	30	75	150	5
• Practicals in metallurgical processes and casting	15	0	60	75	150	5
TOTAL	440	30	430	450	1350	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)

General optional course 1 must be chosen from the list **Optional courses – general course** on the page **3rd year** of study.



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