

# 1st year

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Course	Hours					ECTS
	L	S	P	O	Σ	
<b>1st semester</b>	<b>255</b>	<b>0</b>	<b>195</b>	<b>0</b>	<b>450</b>	<b>30</b>
<a href="#">Mathematics 1</a>	45	0	45	0	90	6
<a href="#">Physics</a>	45	0	30	0	75	5
<a href="#">Chemistry</a>	60	0	15	0	75	5
<a href="#">Introduction to mechanical engineering</a>	45	0	30	0	75	5
<a href="#">Computer practicals</a>	30	0	45	0	75	5
<a href="#">General optional course 1</a>	30	0	30	0	60	4
<b>2nd semester</b>	<b>210</b>	<b>15</b>	<b>225</b>	<b>0</b>	<b>450</b>	<b>30</b>
<a href="#">Mathematics 2</a>	45	0	45	0	90	6
<a href="#">Thermal engineering calculations</a>	30	15	30	0	75	5
<a href="#">Foundations of mechanics</a>	45	0	30	0	75	5
<a href="#">Fundamentals of physical metallurgy</a>	45	0	30	0	75	5
<a href="#">Metallurgy practicals</a>	15	0	60	0	75	5
<a href="#">General optional course 2</a>	30	0	30	0	60	4
<b>TOTAL</b>	<b>465</b>	<b>15</b>	<b>420</b>	<b>0</b>	<b>900</b>	<b>60</b>

Optional courses	Hours					ECTS
	L	S	P	O	Σ	
<a href="#">Fundamentals of economic analysis</a>	45	0	45	0	90	6
<a href="#">Principles of marketing</a>	30	0	0	0	30	4
<a href="#">Fundamentals of corporate finance</a>	45	0	45	0	90	6
<a href="#">Economy of business in montanistic companies</a>	30	15	15	0	60	4
<a href="#">Environmental economics</a>	45	0	15	0	60	6

## 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