

# 1st year

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Course	Hours					ECTS
	L	S	P	O	Σ	
<b>1st semester</b>	<b>285</b>	<b>10</b>	<b>155</b>	<b>0</b>	<b>450</b>	<b>30</b>
Mathematics 1	60	0	30	0	90	6
Physics 1	45	0	30	0	75	5
Chemistry 1	60	0	15	0	75	5
Foundations of mechanics	45	0	30	0	75	5
Fundamentals of engineering	45	0	30	0	75	5
Practicals in computer science	30	10	20	0	60	4
<b>2nd semester</b>	<b>240</b>	<b>0</b>	<b>150</b>	<b>0</b>	<b>390</b>	<b>26</b>
Structure of materials	45	0	30	0	75	5
Mathematics 2	60	0	30	0	90	6
Physics 2	45	0	30	0	75	5
Chemistry 2	45	0	30	0	75	5
Materials and their properties	45	0	30	0	75	5
<b>TOTAL</b>	<b>525</b>	<b>10</b>	<b>305</b>	<b>0</b>	<b>840</b>	<b>56</b>

## 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)