

## Materials design and logistics - stacjonarne pierwszego stopnia

### Sem. 1

L.p.	Nazwa przedmiotu	W	C	L	S	P	ECTS
1.	Basics of computer science	15		15			2
2.	Basis of organization and management	15	15				2
3.	Economy basics	15 <sup>e</sup>	30				5
4.	Intellectual property protection	15					1
5.	Materials chemistry	30	15	15			5
6.	Materials science	30 <sup>e</sup>	15	30			6
7.	Mathematics	15	15				2
8.	Occupational health and safety	15					1
9.	Supply logistics	15	15				2
10.	Sustainable development	15	30				4
11.	Training on safe and hygienic education conditions	4					0

### Sem. 2

L.p.	Nazwa przedmiotu	W	C	L	S	P	ECTS
1.	Basics of commodity science	15	15				3
2.	Engineering physics	30 <sup>e</sup>	15	15			5
3.	Materials for the electronics industry	15		15			2
4.	Mathematics	15 <sup>e</sup>	15				3
5.	Methods of materials investigation	15 <sup>e</sup>		30			5
6.	Modern materials and technologies	15		15			3
7.	Physical education I		30				0
8.	Production logistics	15	6			9	3
9.	Quality management	15	15				2
10.	Social communication and negotiations	15	15				2
11.	The basics of CAD design					30	2