

**Field:** Energy engineering

**Study programme:** Equipment and modern technologies in energy industry

2018-2019 academic year

### CURRICULUM

#### 1st year of study

No	Subject	Number of ECTS credits	Examination form	Semester
1.	Modeling and simulation of industrial processes	6	W	1
2.	Processing of experimental data	6	W	1
3.	Research and development management	7	W	1
4.	Resources valorisation	9	W	1
5.	Ethics and academic integrity	2	O	1
6.	Modern solutions to build and manage power transformation stations and substations	6	W	2
7.	Calculation and optimization techniques for energy balances	6	W	2
8.	New technologies to design and control electric networks	5	W	2
9.	Energetic efficiency	5	W	2
10.	Applicative research project 1	4	P	2
11.	Research training	4	P	2

W- written exam

O – oral exam

P – partial exam

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Prof.Ph.D.Eng. Valentin  
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Programme coordinator,  
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### CURRICULUM 2nd year of study

No	Subject	Number of ECTS credits	Examination form	Semester
1.	Efficient thermal power systems	7	W	1
2.	Efficient technologies to produce different types of energy	7	W	1
3.	Advanced techniques for improving efficiency of electrically-operated systems	6	W	1
4.	Electrical energy quality	6	W	1
5.	Applicative research project 2	4	P	1
6.	Research and design	10	P	2
7.	Training for Master's degree final project preparation	10	P/F	2
8.	Master's degree final project preparation	10	P	2

W- written exam

P/F- pass/fail

P – partial exam

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