

“VASILE ALECSANDRI” UNIVERSITY OF BACAU

Faculty of Engineering

Calea Mărășești, Nr. 157, Bacău, 600115, Tel./Fax +40 234 580170

<http://inginerie.ub.ro>; e-mail: decaning@ub.ro



Domain: Power Engineering

Study programme: Modern Equipment and Technologies in Power Engineering

2023/2024 academic year

CURRICULUM 1st year of study

No.	Discipline	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.	Organization and Planning of the Research-Development Activities	7	W	1
4.	Resources Valorisation	9	W	1
5.	Ethics and Academic Integrity	2	C	1
6.	Modern Solutions to Build and Manage Power Transformation Stations and Substations	5	W	2
7.	Performing and Optimization Techniques of Energy Balances	5	W	2
8.	New Technologies to Design and Control Electric Networks	4	W	2
9.	Energy Efficiency	5	W	2
10.	Modern Solutions for Operation and Maintenance of Photovoltaic Power Plants	3	W	2
11.	Applicative Research Project 1	4	P	2
12.	Research Practice (90 hours)	4	P	2

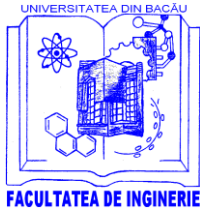
W- written exam

C - colloquim

P– partial exam

Dean,
Assoc.Prof. Ph.D. Eng. Panainte-Lehăduș Mirela

Head of department,
Prof. Ph.D. Eng. Culea George



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CURRICULUM 2nd year of study

No.	Discipline	Number of ECTS credits	Examination form	Semester
1.	Energy Expertise and Energy Audit of Buildings	6	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.	Electricity Quality	6	W	1
5.	Immersive Technologies	1	C	1
6.	Applicative Research Project 2	4	P	1
7.	Research and Design	10	P	2
8.	Practice for Master's degree Final Project Preparation	10	P/F	2
9.	Master's Degree Final Project Preparation	10	P	2

W-exam

P/F- pass/fail

P – partial exam

C - colloquim

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