

UNIVERSITY OF ORADEA
FACULTY OF ENERGY ENGINEERING AND INDUSTRIAL MANAGEMENT
 Licence's Degree Program: **POWER SYSTEMS ENGINEERING**
 Fundamental Field:
 Undergraduate Field: **ENERGY ENGINEERING**
 Duration of studies / no. of credits: **4 years/240 credits**
 Type of education: **Full-time learning (IF)**

Valid from academic year
 2020-2021
 Beginning with 1st year of
 study

CURRICULUM **
Year of study IV

Code	Disciplines*	Type	Sem. VII [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
OBLIGATORII IMPUSE											
IEMI-0292	Power Quality	SD	2	2	-	-	56	Vp	4	44	
IEMI-0794	Equipment-Electrical Network Interaction	SD	2	-	1	-	42	Ex	4	58	
IEMI-0084	High Voltages Technique	SD	2	-	2	-	56	Ex	4	44	
IEMI-0046	Reliability of energy installations	DD	3	-	2	-	70	Ex	5	55	
IEMI-0795	SCADA Systems	SD	2	-	1	-	42	Vp	4	58	
IEMI-0085	Optimization Techniques in Energy Engineering	SD	3	-	2	-	70	Ex	5	55	
TOTAL			14	2	8	-	336		26	314	
OBLIGATORII OPȚIONALE											
IEMI-0796	Numerical Methods and Data Structures in Energy Engineering	SD	2	-	1	-	42	Vp	4	58	
IEMI-0800	Databases in Energy Engineering	SD	2	-	1	-	42	Vp	4	58	
TOTAL			2	-	1	-	42		4	58	
FACULTATIVE											
IEMI-0801	Electrical Security and Electrical Network Insulation	SD	2	2	-	-	56	Vp	2	0	
IEMI-0802	Electricity Consumers	SD	3	-	2	-	70	Vp	4	30	

Code	Disciplines*	Type	Sem. VIII [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
OBLIGATORII IMPUSE											
IEMI-0082	Power Stations and Transformer Posts	SD	3	-	1	-	56	Ex	4	44	
IEMI-0077	Power Systems	SD	2	-	2	1	70	Ex	4	30	
IEMI-0052	Low Voltage Power Installations	SD	2	-	-	2	56	Ex	4	44	
IEMI-0714	Preparing the Graduation Project	SD	-	-	-	4	56	Vp	4	44	
IEMI-0679	Practice for diploma	SD	-	-	-	-	60	Cv	10	190	
TOTAL			7	-	3	7	298		26	352	
OBLIGATORII OPȚIONALE											
IEMI-0798	Energy Processes Modelation and Simulation	SD	2	1	-	-	42	Ex	4	58	
IEMI-0799	Managing Energy Processes with Process Computer	SD	2	1	-	-	42	Ex	4	58	
TOTAL			2	1	-	-	42		4	58	

Legend: C - Course; S - Seminar; L - Practical (laboratory); P - Project; IS - Individual Study;
 GD - General Discipline; FD - Fundamental Discipline; SD - Specialized Discipline; CD - Complementary Discipline; FD - Field Discipline; DP - Practical Activities; UO - University Choice; DR - Disciplines relevant to the students' training in a certain field, available according to the options of the institution.

Type of Examination - Verification Form, Ex. - examination; Cv. - Colloquium, Vp. - Continuous Assessment, Pr - Project; A/R- Passed/Failed; Credits - number of ECTS credits; IS - Individual study.

**Head of departament ,
 Lecturer Rancov Nicolae, PhD, Eng.**

**RECTOR,
 Professor Dr. BUNGAU Constantin**

**DEAN,
 Associate Professor Dr.
 HORA Cristina Mirela**