

**UNIVERSITY OF ORADEA**  
**FACULTY OF ENERGY ENGINEERING AND INDUSTRIAL MANAGEMENT**  
**Cycle's Master Degree**

Master's Degree Program: **RENEWABLE ENERGY**

Fundamental Field: **ENGINEERING SCIENCES**

Master's Field: **ENERGY ENGINEERING**

Secondary Master Field:

Master Type: **research**

Duration of studies / no. of credits: **4 semestre/120 credits**

Type of education: **Full-time learning (IF)**

Valid from academic year  
 2024-2025  
 Beginning with 1<sup>st</sup> year of study

**CURRICULUM \*\***  
**Year of study II**

Code	Disciplines*	Type	Sem. III [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
<b>OBLIGATORII IMPUSE</b>											
IEMI-0076	Simulation and optimisation of energy systems II	THD	2	-	-	1	42	Ex	5	83	
IEMI-0136	Wind energy conversion technologies	THD	2	2	-	-	56	Ex	5	69	
IEMI-0122	Project management	SYD	1	1	-	2	56	Vp	6	94	
IEMI-0893	Research practice III	THD	-	-	-	-	168	Vp	8	32	
<b>TOTAL</b>			<b>5</b>	<b>3</b>	<b>-</b>	<b>3</b>	<b>322</b>		<b>24</b>	<b>278</b>	
<b>OBLIGATORII OPȚIONALE</b>											
IEMI-0137	Technologies for use of biomass and biofuels	THD	2	1	-	-	42	Ex	6	108	
IEMI-0890	Technologies for green hydrogen generation	THD	2	1	-	-	42	Ex	6	108	
<b>TOTAL</b>			<b>2</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>42</b>		<b>6</b>	<b>108</b>	

Code	Disciplines*	Type	Sem. IV [hours / week]				Total of hours / sem.	Type of Exami- nation	Cre- dits	IS [hours / sem.]	Condi- tioning
			C	S	L	P					
<b>OBLIGATORII IMPUSE</b>											
IEMI-0732	Hybrid systems for power generation	THD	2	-	1	-	42	Ex	5	83	
IEMI-0837	Science Research Methodology	THD	2	2	-	-	56	Vp	5	69	
IEMI-0043	Scientific research for dissertation	THD	-	-	-	12	168	Vp	10	82	
IEMI-0721	Preparing the Dissertation	THD	-	-	-	7	98	Ex	10	152	
<b>TOTAL</b>			<b>4</b>	<b>2</b>	<b>1</b>	<b>19</b>	<b>364</b>		<b>30</b>	<b>386</b>	

**Legend:** C - Course; S - Seminar; L - Practical (laboratory); P - Project; IS - Individual Study;

THD - Thoroughgoing Disciplines; SYD - Synthesis Disciplines;

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. BUNGĂU Constantin**

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