

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

Valid from academic year  
 2015-2016  
 Beginning with 1<sup>st</sup> year of  
 study

**CURRICULUM \*\***  
**Year of study III**

Code	Disciplines*	Type	Sem. V [hours / week]				Total of hours / sem.	Type of Examination	Credits	IS [hours / sem.]	Conditioning
			C	S	L	P					
<b>OBLIGATORII IMPUSE</b>											
PMED-0626	Hydrochemistry and Water Pollution I	SD	2	-	2	-	56	Ex	5	84	
PMED-0612	Ecotoxicology I	DD	2	-	2	-	56	Cv	5	84	
PMED-0657	Waste Microbiology	SD	2	-	2	-	56	Ex	4	56	
PMED-1011	Air Protection Technologies II - project	SD	-	-	-	1	14	Pr	1	14	
PMED-0671	Air Pollution	SD	2	-	2	-	56	Ex	4	56	
PMED-0669	Phonic Pollution	SD	2	-	1	-	42	Cv	4	70	
PMED-0700	Technologies of Air Protection	SD	2	-	1	-	42	Ex	4	70	
<b>TOTAL</b>			<b>12</b>	<b>-</b>	<b>10</b>	<b>1</b>	<b>322</b>		<b>27</b>	<b>434</b>	
<b>OBLIGATORII OPȚIONALE</b>											
PMED-0602	Environmental Chemistry	DD	2	-	2	-	56	Cv	3	28	
PMED-1471	Science and engineering of materials	DD	2	-	2	-	56	Cv	3	28	
<b>TOTAL</b>			<b>2</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>56</b>		<b>3</b>	<b>28</b>	

Code	Disciplines*	Type	Sem. VI [hours / week]				Total of hours / sem.	Type of Examination	Credits	IS [hours / sem.]	Conditioning
			C	S	L	P					
<b>OBLIGATORII IMPUSE</b>											
PMED-0627	Hydrochemistry and Water Pollution II	SD	2	-	2	-	56	Ex	4	56	
PMED-1468	Biotechnical and ecological systems engineering I	SD	2	-	1	-	42	Ex	4	70	
PMED-1469	Soil pollution	SD	2	-	2	-	56	Ex	4	56	
PMED-0613	Ecotoxicology II	DD	2	-	2	-	56	Cv	4	56	
PMED-1398	Environmental Monitoring I	DD	2	-	2	-	56	Ex	4	56	
PMED-0279	Practical training II	DD	-	-	-	-	90	Cv	3	0	
PMED-1467	Technologies for water protection I - project	SD	-	-	-	1	14	Pr	1	14	
PMED-0701	Technologies of Water Protection I	SD	2	-	1	-	42	Ex	3	42	
<b>TOTAL</b>			<b>12</b>	<b>-</b>	<b>10</b>	<b>1</b>	<b>412</b>		<b>27</b>	<b>350</b>	
<b>OBLIGATORII OPȚIONALE</b>											
PMED-0694	Radiation Sources and Protection Techniques	DD	2	-	1	-	42	Cv	3	42	
PMED-0592	Automation of Biotechnological and Technological Processes	DD	2	-	1	-	42	Cv	3	42	
<b>TOTAL</b>			<b>2</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>42</b>		<b>3</b>	<b>42</b>	
<b>FACULTATIVE</b>											
PMED-0589	Analysis and Synthesis of Technological Processes	SD	3	-	3	-	84	Cv	2	0	
PMED-0679	Principles and Methods of Food Preservation	SD	3	-	3	-	84	Cv	2	0	

**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;  
 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 ,  
AssProfessor PhD. eng. Vasile LASLO**

**RECTOR,  
Professor Dr. Constantin BUNGĂU**

**DEAN,  
Professor Dr. Ioan CHEREJI**