

UNIVERSITY OF CRAIOVA

Faculty of Horticulture

DEPARTMENT: Biology and Environmental Engineering (D30)

The hierarchy domain: Engineering science

Study program: Engineering and environmental protection in agriculture (IMA)

Length of studies : 4 years

Form of education : of day

Sem. I	Sem. II
No. week/sem. if ≠ 14	

EDUCATIONAL PLAN – 1<sup>ST</sup> YEAR OF STUDY 2017-2018

Discipline	Cod	DF DD DS DC DU	DI DO DF	Opt. 0/≥1	C1	S1	L1	P1	CT1	FV1	C2	S2	L2	P2	CT2	FV2	SI
<b>COMPULSORY AND OPTIONAL DISCIPLINES</b>																	
Mathematical analysis	D30IMAL101	DF	DI	1	2	2			5	C							69
Environmental physics	D30IMAL102	DD	DI	1	2		2		5	E							69
Chemistry	D30IMAL103	DF	DI	1	2		2		5	E							69
Botany and plant physiology	D30IMAL104	DS	DI	1	2		2		5	E							69
Ecology	D30IMAL105	DF	DI	1	2		2		4	C							44
Foreign language	D30IMAL106	DC	DI	1		2			2	C							26
Linear algebra, analytical and differential geometry	D30IMAL107	DF	DI	1	2	2			4	E							44
Physical education and sports	D30IMAL108	DC	DI	1		1			3*	A/R							11
Chemistry	D30IMAL209	DF	DI	1							2		2		5	E	69
Applied informatics	D30IMAL210	DF	DI	1							2	2			4	E	44
Special mathematics	D30IMAL211	DF	DI	1							2	2			5	C	69
Linear algebra, analytical and differential	D30IMAL212	DF	DI	1							2	2			4	E	44

geometry																				
Botany and plant physiology	D30IMAL213	DS	DI	1							2		2		5	E	69			
Ecology	D30IMAL214	DF	DI	1							2		2		5	E	69			
Foreign language	D30IMAL215	DC	DI	1								2			2	C	22			
Physical education and sports	D30IMAL216	DC	DI	1								1			3*	A/R	11			
<b>TOTAL</b>										<b>12</b>	<b>5</b>	<b>10</b>	<b>0</b>	<b>30</b>		<b>12</b>	<b>7</b>	<b>6</b>	<b>2</b>	<b>30</b>

**Rector,**  
Professor Dr.  
Cezar-Ionuț Spânu

**Dean,**  
Professor Dr.  
Sina Niculina Cosmulescu

**Department Director**  
Senior Lecturer, PhD  
Daniel Răduțoiu

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EDUCATIONAL PLAN – 2<sup>ST</sup> YEAR OF STUDY 2017-2018

Name of the courses	Cod	FD D S C OPU	OB OP F	Opt. 0/≥1	C1	S1	L1	P1	CT1	FV1	C2	S2	L2	P2	CT2	FV2	SI
<b>COMPULSORY AND OPTIONAL DISCIPLINES</b>																	
Biology II – microbiology	D30IMAL317	S	OB	1	2		2		5	E							69
Mechanical engineering	D30IMAL318	D	OB	1	2		1		4	C							58
Computer aided graphics	D30IMAL319	FD	OB	1	2		1		4	E							58
Waste management	D30IMAL320	S	OB	1	2		2		5	E							69
Topography I	D30IMAL321	D	OB	1	2		2		5	E							44
Fluid mechanics	D30IMAL322	D	OB	1	2		1	1	4	E							44
Organization and establishment of the territory	D30IMAL323	D	OP	1	2		1		3	C							33
Automation of technological and biotechnological processes	D30IMAL324	D	OP	0	2		1		3	C							33
Physical education III	D30IMAL325	C	OB	1			1		1*	A/R							11
Biology II - zoology	D30IMAL426	S	OB	1							2		2		5	E	69
Mechanical engineering	D30IMAL427	D	OB	1							2		1		3	E	33

Environmental chemistry	D30IMAL428	FD	OB	1							2		1		4	C	58	
Topography II	D30IMAL429	D	OB	1							2			2	5	C	44	
Soil science	D30IMAL430	D	OB	1							2		2		3	E	19	
Fundamentals of environmental protection	D30IMAL431	C	OP	1							2	2			3	E	19	
Elements of electrical engineering	D30IMAL432	D	OP	0							2	2			3	E	19	
Protected natural areas	D30IMAL433	D	OB	1							2		1		3	C	33	
Specialized practice (3 weeks = 90 hours)	D30IMAL434	D	OB	2										6,43	4	E	90	
Physical education IV	D30IMAL435	C	OB	1								1			1*	A/R	11	
<b>TOTAL</b>											<b>14</b>	<b>1</b>	<b>10</b>	<b>1</b>	<b>30</b>			

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EDUCATIONAL PLAN – 3<sup>ST</sup> YEAR OF STUDY 2017-2018

Name of the course	Code	FD D S C OPU	OB OP F	Opt. 0/≥1	C1	S1	L1	P1	CT1	FV1	C2	S2	L2	P2	CT2	FV2	SI
<b>COMPULSORY AND OPTIONAL DISCIPLINES</b>																	
The development and the management of water resources	D30IMAL538	S	OB	1	2		1	1	5	E							69
Ecology of anthropic systems	D30IMAL539	S	OB	1	2		2		4	E							44
Toxicology	D30IMAL540	S	OB	1	2		2		4	E							44
Plant protection and ecological impact I	D30IMAL541	D	OB	1	2		2		5	E							69
Hydrology and hydrogeology I	D30IMAL542	D	OB	1	2		1		5	E							83
Biodiversity conservation	D30IMAL543	S	OB	1	2		1		3	E							33
Climatology	D30IMAL544	D	OP	1	2		2		4	C							44
Radiation sources and protection techniques	D30IMAL545	D	OP	0	2		2		4	C							44
River regulationsions	D30IMAL646	D	OB	1							2		1	1	4	E	44
Land improvements	D30IMAL647	S	OB	1							2			1	4	C	56
Hydrology and hydrogeology II	D30IMAL648	D	OB	1							2		1		4	E	56

Ecology of vineyard anthropic systems	D30IMAL649	S	OB	1							2		2		4	E	44
Plant protection and ecological impact II	D30IMAL650	D	OB	1							2		2		3	E	19
Biological integrated combat in agricultural ecosystems	D30IMAL651	S	OB	1							2		2		3	C	19
Soil biology and enzymology	D30IMAL652	D	OP	1							2		2		4	C	44
Reconstruction ecological	D30IMAL653	D	OP	0							2		2		4	C	44
Specialized practice (3 weeks=90 hours)	D30IMAL654	D	OB	2										6,429	4	E	90
<b>TOTAL</b>											<b>14</b>	<b>0</b>	<b>11</b>	<b>1</b>	<b>30</b>		
											<b>14</b>	<b>0</b>	<b>10</b>	<b>2</b>	<b>30</b>		

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Sem. I	No. week/sem. if ≠ 14	Sem. II
	10	

EDUCATIONAL PLAN – 4<sup>ST</sup> YEAR OF STUDY 2017-2018

Name of the courses	Code	FD D S C OPU	OB OP F	Opt. 0/≥1	C1	S1	L1	P1	CT1	FV1	C2	S2	L2	P2	CT2	FV2	SI
<b>COMPULSORY AND OPTIONAL DISCIPLES</b>																	
Ecology of vegetable growing systems	D30IMAL753	S	OB	1	2		2		4	E							44
Installations for environmental protection	D30IMAL754	S	OB	1	2		2		4	E							44
Ecological management	D30IMAL755	D	OB	1	2	1			5	C							83
Biostatistics	D30IMAL756	D	OB	1	2		2		4	C							44
Pollution investigation means	D30IMAL757	S	OB	1	2		2		5	E							69
Environmental audit and impact study	D30IMAL758	S	OB	1	2	2			5	E							69
Monitoring and diagnosis of environmental quality	D30IMAL759	D	OP	1	2		1		3	C							33
Environmental impact assessment	D30IMAL760	D	OP	0	2		1		3	C							33
Methods and measurements for investigation of depollution	D30IMAL861	S	OB	1							2		2		4	E	44
Bioremediation	D30IMAL862	S	OB	1							2	2			4	C	44
Floral ecosystems and human habitat	D30IMAL863	S	OB	1							2	2			4	E	44

The development and hydrotechnical constructions	D30IMAL864	D	OB	1								2		2		4	E	44
Environmental legislation	D30IMAL865	S	OB	1								2	2			4	C	44
Practice for preparing the diploma project (4 weeks = 120 hours)	D30IMAL866	D	OB	2											12	4	E	120
Designing ecological facilities	D30IMAL867	C	OB	1											2	2	C	
Professional communication	D30IMAL868	C	OP	1								2	2			4	C	44
Sociology	D30IMAL869	C	OP	0								2		2		4	C	44
<b>TOTAL</b>																		
					14	3	9	0	30			12	8	4	2	30		

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