



Faculty of ENVIRONMENTAL ENGINEERING AND FOOD SCIENCE  
 Domain: Environmental Engineering  
 Study program: Engineering and Environmental Protection in Agriculture  
 Duration of studies: 4 years  
 Education form: continuous (B.Sc.)  
 Code: FMA-LIM



## Programme Syllabus - Engineering and Environmental Protection in Agriculture

First year (2016 – 2017)

Semester 1

Code	Discipline	No. of hours				Evaluation form E/C/P*
		Course	Seminary	Applications	Project	
LIM1BF01	<i>Mathematics Algebra and Analysis</i>	3	3	-	-	E
LIM1BF02	<i>Analytic and Inorganic Chemistry</i>	2	-	3	-	E
LIM1BF03	<i>Physics 1</i>	2	-	3	-	E
LIM1BF04	<i>Applied Informatics</i>	3	-	3	-	C
LIM1BD05	<i>Ecology and Environmental Protection</i>	2	2	-	-	E
LIM1BC06	<i>Foreign Language 1 - French - English</i>	-	2	-	-	A/R
LIM1BC07	<i>Physical Education and Sport</i>	-	1	-	-	A/R



*Semester 2*

Code	Discipline	No. of hours				Evaluation form E/C/P*
		Course	Seminary	Applications	Project	
LIM1BF09	<i>Theory of Probabilities and Mathematical Statistics</i>	3	3		-	E
LIM1BF10	<i>Chemistry of the Environment</i>	2	-	3	-	E
LIM1BF11	<i>Technical Drawing and Infographics</i>	2	-	3	-	C
LIM1BD12	<i>Physics 2</i>	3	-	2	-	E
LIM1BS13	<i>Botany and Plant Physiology</i>	3	-	2		E
LIM1BC14	<i>Foreign Language 1 – French / English</i>	-	2	-	-	A/R
LIM1BC15	<i>Physical Education and Sport</i>	-	1	-	-	A/R



## Second year (2016 – 2017)

### Semester 1

Code	Discipline	No. of hours				Evaluation form E/C/P*
		Course	Seminary	Applications	Project	
LIM2BD01	<i>Mechanics of Fluids</i>	3	3	-	-	E
LIM2BD02	<i>Elements of Mechanical Engineering</i>	2	2	-	-	E
LIM2BD03	<i>General and Ameliorative Pedology</i>	2	2	-	1	E
LIM2BD04	<i>Biology of the Environment</i>	3	-	3	-	E
LIM2BC05	<i>Foreign Language 2 – French / English</i>	-	2	-	-	A/R
LIM2BC06	<i>Physical Education and Sport</i>	-	1	-	-	A/R
LIM2OD08	<i>Land and Water Cadaster</i>	3	2	-	-	C



Semester 2



Code	Discipline	No. of hours				Evaluation form E/C/P*
		Course	Seminary	Applications	Project	
LIM2BD12	<i>Materials Science and Engineering</i>	2	2	-	-	E
LIM2BD13	<i>Land Survey (Topography)</i>	2	-	2	1	E
LIM2BD14	<i>Ecotoxicology</i>	2	-	2	-	C
LIM2BD15	<i>Hydrology</i>	2	2	-	-	E
LIM2BD16	<i>Methods for Diagnosis of the Environmental Quality</i>	2	-	2	-	E
LIM1BC17	<i>Physical Education and Sport</i>	-	1	-	-	A/R
LIM2BC18	<i>Foreign Language 2 – French/- English</i>	-	2	-	-	A/R
LIM2BS19	<i>Practice</i>	3 weeks x 40 hours = 120 hours				C
LIM2OS21	<i>Microbiology and Enzymology</i>	3	-	2	-	C



Third year (2016 – 2017)

Semester 1



Code	Discipline	No. of hours				Evaluation form E/C/P*
		Course	Seminary	Applications	Project	
LIM3BS01	<i>Soil Erosion Control, Irrigation and Drainage</i>	3	-	-	2	E
LIM3BS02	<i>Ecological Planning and Organization of the Territory</i>	3	-	-	2	E
LIM3BS03	<i>Water Supply and Sewerages</i>	2	-	-	1	E
LIM3BS04	<i>Amelioration of Urban Anthropic Ecosystems</i>	2	-	-	1	C
LIM3BS05	<i>Grassland Ecosystems</i>	2	1	-	-	E
LIM3BS06	<i>Ecological Technologies in Livestock Breeding</i>	3	2	-	-	C
LIM3OS07	<i>Technologies for Atmospheric Protection</i>	2	2	-	-	C



Semester 2

Code	Discipline	No. of hours				Evaluation form E/C/P*
		Course	Seminary	Applications	Project	
LIM3BD11	<i>Constructions for Environmental Engineering Works</i>	3	-	-	2	E
LIM3BS12	<i>Plant Protection and Ecological Impact</i>	3	-	2	-	E
LIM3BS13	<i>Agricultural Ecosystems</i>	3	-	2	-	E
LIM3BS14	<i>Management and Controlled Disposal of Wastes</i>	2	2	-	-	C
LIM3BS15	<i>Forest Ecosystems</i>	2	-	1	-	E
LIM3BS16	<i>Practice</i>	3 weeks x 40 hours = 120 hours				C
LIM3OS18	<i>Bio-combustibles</i>	2	-	2	-	C



## Fourth Year (2016 – 2017)

### Semester 1

Code	Discipline	No. of hours				Evaluation form E/C/P*
		Course	Seminary	Applications	Project	
LIM4BS01	<i>Environmental Impact Assessment</i>	2	-	-	3	E
LIM4BS02	<i>Technology of Environmental Engineering Works</i>	3	2	-	-	E
LIM4BD03	<i>Monitoring of Environmental Factors</i>	2	-	3	-	C
LIM4BD04	<i>Automatization of Technological and Biotechnological Processes</i>	2	2	-	-	E
LIM4BS05	<i>Wastewater Treatment Plants and Water Quality Protection</i>	2	1	-	2	E/P
LIM4OS07	<i>Eco-zoo-hygiene</i>	2	-	2	-	C



*Semester 2*

Code	Discipline	No. of hours				Evaluation form E/C/P*
		Course	Seminary	Applications	Project	
LIM4BS06	<i>Environmental Audit</i>	2	2	-	-	E
LIM4BS07	<i>Conservation of Biodiversity</i>	3	-	2	-	E
LIM4BS08	<i>Management of the Environment</i>	2	2	-	-	E
LIM4BS09	<i>Remote Sensing and Photointerpretation</i>	2	3	-	-	E
LIM4BS10	<i>Sources of Renewable Energy</i>	2	2	-	-	C
LIM4BD11	<i>Practice for Elaboration of the Graduation Project</i>	4 weeks x 6 hours x 5 days = 120 hours				C

\* E - exam; C - colloquy; P – project.

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