



Faculty of ENVIRONMENTAL ENGINEERING AND FOOD SCIENCE
 Domain: Agronomy
 Study program: Mountain Agriculture
 Duration of studies: 4 years
 Education form: continuous (B.Sc.)
 Code: FMA-LAM



Programme Syllabus – Mountain Agriculture

First year
 Semester 1

Code	Discipline	No. of hours				Evaluation form E/C/P*	ECTS (credits)
		Course	Seminary	Applications	Project		
LAM01BF01	<i>Mathematics and Statistics</i>	2	2	-	-	E	5
LAM01BF02	<i>Analytic and Inorganic Chemistry</i>	2	-	2	-	E	5
LAM01BS03	<i>Applied Informatics</i>	2	-	2	-	E	5
LAM01BF04	<i>Biophysics and Agro-meteorology</i>	2	-	2	-	E	5
LAM01BF05	<i>Ecology and Environmental Protection</i>	2	3	-	-	E	7
LAM1BC06	<i>Physical Education and Sport</i>	-	1	-	-	A/R	3
LAM1BC07	<i>Foreign Language - French / English</i>	-	2	-	-	C	3



Semester 2

Code	Discipline	No. of hours				Evaluation form E/C/P*	ECTS (credits)
		Course	Seminary	Applications	Project		
LAM1BF08	<i>Biochemistry</i>	2	-	1	-	E	5
LAM1BF09	<i>Botany</i>	2	-	2	-	E	5
LAM1BD10	<i>Land Survey (Topography) and Technical Drawing</i>	2	-	2	1	E	5
LAM1BS11	<i>Animal Anatomy and Physiology</i>	2	-	1	-	E	5
LAM1BD12	<i>Energetic Basis in Agriculture</i>	3	-	3	-	C	4
LAM1BC13	<i>Physical Education and Sport</i>	-	1	-	-	A/R	3
LAM1BC14	<i>Foreign Language – French / English</i>	-	2	-	-	C	3
LAM1BD15	<i>Practice</i>	4 weeks x 6 hours x 5days = 120 hours				C	3



Second year

Semester 1

Code	Discipline	No. of hours				Evaluation form E/C/P*	ECTS (credits)
		Course	Seminary	Applications	Project		
LAM02BF01	<i>Agro-Chemistry</i>	2	-	2	-	E	4
LAM02BD02	<i>Plant Physiology</i>	2	-	1	-	E	5
LAM02BD03	<i>Microbiology</i>	2	-	2	-	E	5
LAM02BD04	<i>General and Ameliorative Pedology</i>	3	-	2	-	E	5
LAM02BD05	<i>Agricultural Machineries</i>	2	-	2	-	C	4
LAM1BC06	<i>Physical Education and Sport</i>	-	1	-	-	A/R	3
LAM2BC07	<i>Foreign Language 2 – French - English</i>	-	2	-	-	C	3
LAM2OU08/09	<i>Apiculture / Protection of Mountain Ecosystems (optional)</i>	1	-	1	-	C	3



Semester 2

Code	Discipline	No. of hours				Evaluation form E/C/P*	ECTS (credits)
		Course	Seminary	Applications	Project		
LAM2 BF11	<i>Genetics</i>	2	-	2	-	E	5
LAM2 BD12	<i>Agro-mountain Constructions</i>	2	-	-	2	E	4
LAM2 BD13	<i>Land Cadaster</i>	2	1	-	-	E	4
LAM2 BS14	<i>Pisciculture</i>	2	2	-	-	E	4
LAM2 BD15	<i>Agro-technics</i>	2	-	2	-	E	4
LAM 2OC16	<i>Physical Education and Sport</i>	-	1	-	-	A/R	3
LAM 2OC17	<i>Foreign Language – French / English</i>	-	2	-	-	C	3
LAM2OU18/OD19	<i>In-Vitro Plant Culture / Experimental Technique (optional)</i>	1	-	1	-	C	3
LAM2BS18	<i>Specialty Practice</i>	4 weeks x 6 hours x 5days = 120 hours				C	3



Third year

Semester 1

Code	Discipline	No. of hours				Evaluation form E/C/P*	ECTS (credits)
		Course	Seminary	Applications	Project		
LAM3BD01	<i>Zootechny 1</i>	3	-	3	-	E	6
LAM3BD02	<i>Phytopathology</i>	2	-	2	-	E	5
LAM3BD03	<i>Entomology</i>	3	-	2	-	E	5
LAM3BD04	<i>Silviculture</i>	2	-	2	-	E	5
LAM3BD05	<i>Plant Amelioration</i>	2	-	2	-	C	5
LAM3OU06/07	<i>Ornamental Crops/ Study and Exploitation of Wood(optional)</i>	1	-	1	-	C	4



Semester 2

Code	Discipline	No. of hours				Evaluation form E/C/P*	ECTS (credits)
		Course	Seminary	Applications	Project		
LAM3BD09	<i>Zootechny 2</i>	2	-	2	-	E	4
LAM3BS10	<i>Viticulture</i>	2	-	1	-	C	3
LAM3BS11	<i>Pomiculture</i>	2	-	2	-	E	4
LAM3BS12	<i>Grassland Technology I</i>	2	-	2	-	E	4
LAM3BS13	<i>Crop Production (Phytotechnology)</i>	3	-	2	-	E	4
LAM3BS14	<i>Vegetable Crop Production</i>	2	-	2	-	C	4
LAM3BS15	<i>Specialty Practice</i>	4 weeks x 6 hours x 5days = 120 hours				C	3
LAM3OU16/17	<i>Ethics and academic integrity / Hunting Etology (optional)</i>	1	-	1	-	C	4



Fourth Year

Semester 1

Code	Discipline	No. of hours				Evaluation form E/C/P*	ECTS (credits)
		Course	Seminary	Applications	Project		
LAM4BU01	<i>Animal Amelioration</i>	2	-	1	-	E	4
LAM4BS02	<i>Grassland Technology II</i>	2	-	2	-	E	5
LAM4BU03	<i>Mountain Agricultural Eco-products</i>	2	-	1	-	E	4
LAM4BS04	<i>Cynegetics</i>	3	-	2	-	C	4
LAM4BD05	<i>Conditioning and Preservation of Agricultural Products</i>	2	-	2	-	E	4
LAM4BS06	<i>Soil Erosion Control</i>	3	-	-	2	E	5
LAM4OS07/OU08	<i>Medicinal and aromatic plants / Oenology (optional)</i>	1	-	1	-	C	4



Semester 2

Code	Discipline	No. of hours				Evaluation form E/C/P*	ECTS (credits)
		Course	Seminary	Applications	Project		
LAM 4 B C 09	<i>Legislation in Agriculture</i>	1	-	-	1	E	3
LAM 4 B U 10	<i>Processing of Animal and Vegetable Products</i>	3	-	3	-	E	3
LAM 4 B S 11	<i>Mountain Agro-tourism</i>	3	3	-	-	E	4
LAM 4 B D 12	<i>Accounting and Economics</i>	2	1	-	-	E	3
LAM 4 B U 13	<i>Sustainable Rural Development</i>	2	2	-	-	C	4
LAM 4 B D 14	<i>Entrepreneurship and business management in agriculture</i>	2	1	-	-	C	3
LAM 4 B D 15	<i>Practice for Elaboration of the Graduation Project</i>	4 weeks x 6 hours x 5 days = 120 hours				C	10

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