



Faculty of ENVIRONMENTAL ENGINEERING AND FOOD SCIENCE
Domain: Food Engineering
Study program: Agricultural Products Processing Technology
Duration of studies: 4 years
Education form: continuous (B.Sc.)
Code: FMA-LPA



Programme Syllabus

First year
Semester 1

Code	Discipline	No. of hours				Evaluation form E/C/V	ECTS (credits)
		Course	Seminary	Applications	Project		
LPA 1 B F 01	<i>Mathematics and Statistics</i>	2	2	-	-	E	4
LPA 1 B F 02	<i>Inorganic and Analytical Chemistry</i>	2	-	2	-	E	5
LPA 1 B F 03	<i>Descriptive Geometry and Technical Drawing</i>	2	-	1	-	C	5
LPA 1 B F 04	<i>Organic Chemistry</i>	2	-	2	-	E	5
LPA 1 B F 05	<i>Applied Informatics 1</i>	2	-	1	-	C	4
LPA 1 B F 06	<i>Biophysics</i>	1	-	2	-	E	4
LPA 1 B C 07	<i>Foreign Language - English / French</i>	-	2	-	-	A/R	3
LPA 1 B C 08	<i>Physical Education and Sport*</i>	-	1	-	-	A/R	3*

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**First year
Semester 2**

Code	Discipline	No. of hours				Evaluation form E/C/V	ECTS (credits)
		Course	Seminary	Applications	Project		
LPA 1 B F 09	<i>Physical and Colloidal Chemistry</i>	3	-	2	-	E	5
LPA 1 B F 10	<i>Applied Informatics 2</i>	2	-	2	-	E	4
LPA 1 B F 11	<i>Food Chemistry</i>	2	-	2	-	E	5
LPA 1 B D 12	<i>Applied Physics</i>	2	-	2	-	C	4
LPA 1 B D 13	<i>Elements of Mechanical Engineering</i>	2	2	-	-	E	5
LPA 1 B C 14	<i>Foreign Language - English / French</i>	-	2	-	-	A/R	3
LPA 1 B C 15	<i>Physical Education and Sport*</i>	-	1	-	-	A/R	3*
LPA 1 B D 16	<i>Practice</i>	3 weeks x 6 hours /day x 5 days/ week = 90h				C	4

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**Second year
Semester 1**

Code	Discipline	No. of hours				Evaluation form E/C/V	ECTS (credits)
		Course	Seminary	Applications	Project		
LPA 2 B F 01	<i>Transfer Phenomena</i>	2	2	-	-	E	6
LPA 2 B D 02	<i>Principles of Human Nutrition</i>	3	-	2	-	E	6
LPA 2 B D 03	<i>General Microbiology</i>	3	-	3	-	E	6
LPA 2 B S 04	<i>Food Biochemistry 1</i>	3	-	3	-	E	6
LPA 2 B C 05	<i>Foreign Language - English / French</i>	-	2	-	-	A/R	3
LPA 2 B C 06	<i>Physical Education and Sport*</i>	-	1	-	-	A/R	3*
LPA 2 O D 07	<i>Elements of Electrical Engineering</i>	1	-	1	-	C	3

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**Second year
Semester 2**

Code	Discipline	No. of hours				Evaluation form E/C/V	ECTS (credits)
		Course	Seminary	Applications	Project		
LPA 2 B D 10	<i>Food Microbiology</i>	3	-	3	-	E	5
LPA 2 B D 11	<i>Unit Operations in food industry 1</i>	3	2	-	-	E	5
LPA 2 B D 12	<i>Principles and Methods of Food Preservation</i>	2	-	2	-	E	4
LPA 2 B S 13	<i>Food Biochemistry 2</i>	3	-	3	-	E	5
LPA 2 B C 14	<i>Foreign Language - English / French</i>	-	2	-	-	A/R	3
LPA 2 B C 15	<i>Physical Education and Sport*</i>	-	1	-	-	A/R	3*
LPA 2 B D 16	<i>Practice</i>	3 weeks x 6 hours /day x 5 days/ week = 90h				C	5
LPA 2 O S 17	<i>Food Safety</i>	1	-	1	-	C	3

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**Third year
Semester 1**

Code	Discipline	No. of hours				Evaluation form E/C/V	ECTS (credits)
		Course	Seminary	Applications	Project		
LPA 3 B D 01	<i>Unit Operations in Food Industry 2</i>	3	2	0	2	E	6
LPA 3 B S 02	<i>Hygiene in Food Industry</i>	2	0	1	-	C	4
LPA 3 B S 03	<i>Technology of Milk and Dairy Products</i>	3	0	2	-	E	6
LPA 3 B S 04	<i>Technology of Vegetal Canned Products</i>	3	0	2	-	E	5
LPA 3 B S 05	<i>Technology for Obtaining Wine and Alcohol Production</i>	3	0	2	-	E	5
LPA 3 O D 07	<i>Design of New Products</i>	2	1	-	-	C	4

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**Third year
Semester 2**

Code	Discipline	No. of hours				Evaluation form E/C/V	ECTS (credits)
		Course	Seminary	Applications	Project		
LPA 3 B D 09	<i>Control of Quality of Food Products</i>	3	-	2	-	E	5
LPA 3 B S 10	<i>Technological project</i>	-	-	-	2	P	3
LPA 3 B S 11	<i>Refrigerating and Air Conditioning in Food Industry</i>	2	-	-	2	E	3
LPA 3 B S 12	<i>Beer Technology</i>	3	-	2	-	E	4
LPA 3 B S 13	<i>Milling Technology</i>	3	-	2	-	E	4
LPA 3 B D 14	<i>Practice</i>	3 weeks x 8 hours /day x 5 days/ week = 120h				C	6
LPA 3 O S 16	<i>Special Techniques of Food Processing</i>	2	-	2	-	C	3
LPA 3 O D 17	<i>Basis of Economy</i>	1	1	-	-	C	2

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**Fourth year
Semester 1**

Code	Discipline	No. of hours				Evaluation form E/C/V	ECTS (credits)
		Course	Seminary	Applications	Project		
LPA 4 B D 01	<i>Equipments in Food Industry</i>	2	-	-	2	C	5
LPA 4 B S 02	<i>Technology of Meat and Meat Products</i>	3	-	2	-	E	6
LPA 4 B S 03	<i>Technology of Vegetable Oils and Derivatives</i>	3	-	2	-	E	5
LPA 4 B S 04	<i>Technology of Bakery Products</i>	3	-	2	-	E	6
LPA 4 B S 05	<i>Technology of Sugar and Confectionery</i>	3	-	2	-	E	5
LPA 4 O S 06	<i>Turning By-Products and Waste from Food Industry</i>	2	-	2	-	C	3

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**Fourth year
Semester 2**

Code	Discipline	No. of hours				Evaluation form E/C/V	ECTS (credits)
		Course	Seminary	Applications	Project		
LPA 4 B D 09	<i>Packages and Design in Food Industry</i>	2	2	-	-	E	3
LPA 4 B D 10	<i>Food Biotechnology</i>	2	0	2	-	E	4
LPA 4 B D 11	<i>Entrepreneurship and Business Management</i>	1	1	-	-	C	3
LPA 4 B D 12	<i>Additives and Ingredients in Food Industry</i>	2	-	2	-	E	4
LPA 4 B S 13	<i>Modelling and Automatization of Technological Processes in Food Industry</i>	2	2	-	-	E	3
LPA 4 B D 14	<i>Practice for Elaboration of the Graduation Project</i>	4 weeks x 6 hours /day x 5 days/ week = 120h				C	10
LPA 3 O S 16	<i>Technology of Pastry and Confectionery Products</i>	2	-	1	-	C	3

E - exam; C - colloquy; V - verification

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