



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 - Agricultural Products Processing Technology

First year (2016 – 2017)

Semester I

Code	Discipline	No. of hours				Evaluation form
		Course	Seminary	Applications	Project	E/C/P*
LPA 1 B F 01	<i>Linear Algebra and Mathematical Analysis</i>	2	2	-	-	E
LPA 1 B F 02	<i>Physics</i>	2	-	2	-	E
LPA 1 B F 03	<i>Inorganic and Analytical Chemistry</i>	3	-	3	-	E
LPA 1 B F 04	<i>Technical drawing and Infographics</i>	2	-	3	-	C
LPA 1 B F 05	<i>Applied Informatics</i>	2	-	3	-	E
LPA 1 B C 06	<i>Foreign Language - English / French</i>	-	2	-	-	A/R
LPA 1 B C 07	<i>Physical Education and Sport</i>	-	1	-	-	A/R

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Semester 2

Code	Discipline	No. of hours				Evaluation form E/C/P*
		Course	Seminary	Applications	Project	
LPA 1 B F 08	<i>Theory of Probabilities and Mathematics Statistics</i>	2	2	-	-	E
LPA 1 B F 09	<i>Organic Chemistry</i>	2	-	2	-	E
LPA 1 B F 10	<i>Physical and Colloidal Chemistry</i>	3	-	2	-	E
LPA 1 B D 11	<i>Elements of Electrical Engineering</i>	2	-	1	-	C
LPA 1 B D 12	<i>Mechanics and Strength of Materials</i>	2	2		-	E
LPA 1 B S 13	<i>Computer Assisted Design</i>	2	-	2	-	E
LPA 1 B C 14	<i>Foreign Language - English / French</i>	-	2	-	-	A/R
LPA 1 B C 15	<i>Physical Education and Sport</i>	-	1	-	-	A/R

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Second year (2016 – 2017)

Semester I

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

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Semester 2

Code	Discipline	No. of hours				Evaluation form E/C/P*
		Course	Seminary	Applications	Project	
LPA 2 B D 10	<i>Food Microbiology</i>	3	-	3	-	E
LPA 2 B D 11	<i>Unit Operations in Food Industry I</i>	3	2	-	-	E
LPA 2 B D 12	<i>Human Nutrition and Wholesomeness of Food Products</i>	3	-	2	-	E
LPA 2 B S 13	<i>Food Biochemistry II</i>	2	-	3	-	E
LPA 2 B C 14	<i>Foreign Language - English / French</i>	-	2	-	-	A/R
LPA 2 B C 15	<i>Physical Education and Sport</i>	-	1	-	-	A/R
LPA 2 B D 16	<i>Practice</i>	3 weeks x 40 hours = 120 hours				C
LPA 2 O D 17	<i>Principles and Methods of Food Preservation</i>	3	-	2	-	C

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Third year (2016 – 2017)

Semester I

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

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Semester 2

Code	Discipline	No. of hours				Evaluation form E/C/P*
		Course	Seminary	Applications	Project	
LPA 3 B D 09	<i>Control of Quality of Food Products</i>	3	-	2	-	E
LPA 3 B D 10	<i>Equipments in Food Industry</i>	3	-	-	2	E
LPA 3 B S 11	<i>Refrigerating and Air Conditioning in Food Industry</i>	2	-	-	2	E
LPA 3 B S 12	<i>Beer Technology</i>	3	-	2	-	E
LPA 3 B S 13	<i>Milling Technology</i>	3	-	2	-	E
LPA 3 B D 14	<i>Practice</i>	3 weeks x 40 hours = 120 hours				C
LPA 3 O S 16	<i>Special Techniques of Food Processing</i>	2	-	2	-	C

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Fourth year (2016 – 2017)
Semester I

Code	Discipline	No. of hours				Evaluation form
		Course	Seminary	Applications	Project	E/C/P*
11.7.1.50.2.16	<i>Technology of Meat and Meat Products</i>	3	-	2	-	E
11.7.1.51.2.16	<i>Technology of Vegetable Oils and Derivates</i>	3	-	2	-	E
11.7.1.52.2.16	<i>Technology of Breadmaking, Pasta and Biscuits</i>	3	-	2	-	E
11.7.1.53.2.16	<i>Technology of Sugar and Confectionery</i>	3	-	2	-	E
11.7.1.54.2.16	<i>Technological Project</i>	-	-	-	3	P
52.7.1.55.3.16	<i>Turning By-Products and Waste from Food Industry</i>	2	-	2	-	C

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Semester 2

Code	Discipline	No. of hours				Evaluation form
		Course	Seminary	Applications	Project	E/C/P*
11.8.1.57.1.16	<i>Packages and Design in Food Industry</i>	2	2	-	-	E
11.8.1.58.1.16	<i>Food Biotechnologies</i>	2	-	2	-	E
11.8.1.59.1.01	<i>Management and Marketing in Food Industry</i>	2	2	-	-	C
11.8.1.60.1.16	<i>Additives and Ingredients in Food Industry</i>	2	-	2	-	E
11.8.1.61.3.16	<i>Modelling and Automatization of Technological Processes in Food Industry</i>	2	2	-	-	E
11.8.1.62.2.16	<i>Practice for Elaboration of the Graduation Project</i>	4 weeks x 6 hours x 5 days = 120 hours				C
62.8.1.64.2.16	<i>Technology of Pastry and Confectionery Products</i>	2	-	2	-	C

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

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