

"LUCIAN BLAGA" UNIVERSITY OF SIBIU
 FACULTY OF AGRICULTURAL SCIENCES, FOOD INDUSTRY AND ENVIRONMENT
 PROTECTION

FUNDAMENTAL DOMAIN: ENGINEERING SCIENCES

DOMAIN OF ACADEMIC LICENSE STUDIES: FOOD PRODUCTS ENGINEERING

SPECIALIZATION: FOOD PRODUCTS ENGINEERING

LEVEL OF ACADEMIC QUALIFICATION: ENGINEER

DURATION OF STUDIES: 4 YEARS

EDUCATION FORM: FULL TIME

APPROVED BY THE RECTOR,

Prof. Ioan BONDREA, Ph.D.

CURRICULUM

YEAR I

No.	SUBJECT MATTERS	Code	Ist Semester						IInd Semester					
			C	S	L	P	FV	No. of credits	C	S	L	P	FV	No. of credits
FUNDAMENTAL SUBJECT MATTERS														
1.	Mathematical statistics	39.08.15.F.01.I.001	2	2	-	-	E	4	-	-	-	-	-	-
2.	Organic Chemistry Food Chemistry	39.08.15.F.01.I.002	2	-	2	-	E	4	-	-	-	-	-	-
		39.08.15.F.02.I.002	-	-	-	-	-	-	2	-	2	-	E	4
3.	Analytical Chemistry Instrumental Analysis	39.08.15.F.01.I.003	2	-	2	-	C	5	-	-	-	-	-	-
		39.08.15.F.02.I.003	-	-	-	-	-	-	2	-	2	-	E	5
4.	Biophysics	39.08.15.F.01.I.004	2	-	1	-	E	4	-	-	-	-	-	-
5.	Physical and colloid chemistry	39.08.15.F.01.I.005	4	-	2	-	E	6	-	-	-	-	-	-
6.	Computers programming and languages Computer Aided Graphics for Food Industry	39.08.15.F.01.I.006	2	-	2	-	C	3	-	-	-	-	-	-
		39.08.15.F.02.I.006	-	-	-	-	-	-	1	-	2	-	C	3
7.	Biochemistry	39.08.15.F.02.I.007							2	-	2	-	E	5
PREPARATORY SUBJECT MATTERS														
8.	Ecology and protection of environment in food industry	39.08.15.D.02.I.008	-	-	-	-	-	-	2	-	1	-	C	4
OPTIONAL COURSE (minimal 7 credits)														
9.	Technical drawing	39.08.01.F.02.I.009	-	-	-	-	-	-	1	-	2	-	E	3
10.	Mechanical Engineering I	39.08.01.D.02.O.010	-	-	-	-	-	-	2	1	-	-	E	4
11.	Separation analytical methods	39.08.15.F.02.I.011	-	-	-	-	-	-	4	-	2	-	E	7
SUPPLEMENTARY SUBJECT MATTERS														
12.	Foreign language I Foreign language II	39.08.01.C.01.O.012	1	1	-	-	C	3	-	-	-	-	-	-
		39.08.01.C.02.O.012	-	-	-	-	-	-	1	1	-	-	C	3
Total compulsory hours per week			14	3	9	-	4E	29	13	2	11	-	4E	31
			26				3C		26				3C	
13.	Physical education I Physical education II	39.08.01.C.01.I.013	-	2	-	-	<u>A</u>	-	-	-	-	-	<u>A</u>	-
		39.08.01.C.02.I.013	-	-	-	-	R	-	-	2	-	-	R	-

DEAN
 Prof. Ovidiu TIȚA, Ph.D.

HEAD OF DEPARTMENT
 Prof. Camelia SAVA, Ph.D.

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YEAR II

No.	SUBJECT MATTERS	Code	IIIrd Semester					IVth Semester						
			C	S	L	P	FV	No. of credits	C	S	L	P	FV	No. of credits
PREPARATORY SUBJECT MATTERS														
14.	Food Microbiology I	39.08.15.D.03.I.014	2	-	2	-	E	5	-	-	-	-	-	-
	Food Microbiology II	39.08.15.D.04.I.014	-	-	-	-	-	-	4	-	2	-	E	6
15.	Food Biochemistry	39.08.15.D.03.I.015	4	-	2	-	E	6	-	-	-	-	-	-
16.	Human Nutrition and Food Safety	39.08.15.D.04.I.016	-	-	-	-	-	-	2	-	2	-	E	4
17.	Food Toxicology and Innocuousness	39.08.15.D.03.I.017	2	-	1	-	E	3	-	-	-	-	-	-
18.	Transfer Phenomena	39.08.15.D.03.I.018	2	1	-	-	E	3	-	-	-	-	-	-
19.	Unit Operations and Equipments in Food Engineering I	39.08.15.D.04.I.019	-	-	-	-	-	-	3	-	2	-	E	5
20.	Refrigeration and air conditioning in food industry I	39.08.15.D.04.I.020	-	-	-	-	-	-	2	-	2	-	E	4
21.	Electrical Engineering	39.08.15.D.03.I.021	2	-	1	-	C	3	-	-	-	-	-	-
	Industrial Training	39.08.15.D.04.I.022	-	-	-	-	-	-	3 weeks x 5 days x 6 hrs./day = 90 hrs.			C	4	
SPECIALIZATION SUBJECT MATTERS														
23	Hygiene	39.08.15.D.04.I.023	-	-	-	-	-	-	2	-	2	-	C	4
SUPPLEMENTARY SUBJECT MATTERS														
24	Economy and accounting Consumer psychology	39.08.15.D.03.O.024							2	1	-	-	C	3
25	Foreign language I	39.08.01.C.01.O.012	-	2	-	-	C	2	-	-	-	-	-	-
	Foreign language II	39.08.01.C.02.O.012	-	-	-	-	-	-	-	2	-	-	C	2
OPTIONAL COURSE														
26	Packet I		4	-	2	-	E	7	-	-	-	-	-	-
	General technologies	39.08.15.D.03.O.025												
	Biotechnology for the food industry	39.08.15.D.03.O.026												
27	Packet II		2	-	-	1	C	3	-	-	-	-	-	-
	Mechanical Engineering II	39.08.15.P.03.O.027												
	Techniques and methods for conservation	39.08.15.D.03.O.028												
Total compulsory hours per week			18	3	8	1	5E	32	15	3	10	-	4E	32
			30				3C	32	28				4C	32
28.	Physical education I	39.08.01.C.01.I.013	-	2	-	-	A	-	-	-	-	-	-	-
	Physical education II	39.08.01.C.02.I.013	-	-	-	-	R	-	-	-	-	-	-	-

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YEAR III

No.	SUBJECT MATTERS	Code	Vth Semester						VIth Semester					
			C	S	L	P	FV	No. of credits	C	S	L	P	FV	No. of credits
PREPARATORY SUBJECT MATTERS														
29	Unit Operations and Equipments in Food Engineering II	39.08.15.D.05.I.019	3	-	1	-	E	4	-	-	-	-	-	-
			-	-	-	2	Pr	2						
30.	Refrigeration and air conditioning in food industry I	39.08.15.D.05.I.020 39.08.15.D.06.I.020	2	-	1	-	E	3	-	-	-	-	-	-
			-	-	-	-	-	-	-	-	-	2	Pr	3
31.	Policies and strategies for food security	39.08.15.D.05.I.029	1	1	-	-	C	3	-	-	-	-	-	-
32	Legislation and Consumer Protection	39.08.15.D.05.I.030	-	-	-	-	-		1	1	-	-	C	3
33	General equipment for food industry	39.08.15.D.05.I.031	2	-	2	-	E	4	2	-	2	-	E	4
34	Industrial Training	39.02.15.D.06.O.022	-	-	-	-	-	-	3 weeks x 5 days x 6 hrs./day = 90 hrs.			C	4	
SPECIALIZATION SUBJECT MATTERS														
35.	Unconventional principles and techniques in food industry	39.08.15.S.05.I.032	4	-	2	-	E	6	-	-	-	-	-	-
SPECIALIZATION SUBJECT MATTERS (OPTIONAL)														
36.	Food technology packet I Technologies in wine and wine products industry Technologies in fermentative industry	39.08.15.S.06.O.033	-	-	-	-	-	-	4	-	2	-	E	6
37.	Food technology packet II Technologies in sugar and confectionary industry Technologies in canning and beverages industry	39.08.15.S.06.O.034	-	-	-	-	-	-	4	-	2	-	E	6
38.	Food technology packet III Technologies in milk industry Technologies in meat and meat products industry	39.08.15.S.06.O.035	-	-	-	-	-	-	4	-	2	-	E	6
39.	Food technology packet IV Technologies in bakery industry Technologies in milling industry	39.08.15.S.06.O.036	-	-	-	-	-	-	4	-	2	-	E	6
Total compulsory hours per week			12	1	5	2	4E		19	1	10	2	5E	38
			22				1C	22	30				2C	1Pr

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