

"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: CONTROL AND SURVEY OF FOODS
 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.03.1.01	2	2	-	-	E	4	-	-	-	-	-	-
2.	Organic Chemistry Food Chemistry	39.08.15.F.03.1.02	2	-	2	-	E	4	-	-	-	-	-	-
		39.08.15.F.03.1.02	-	-	-	-	-	-	2	-	2	-	E	4
3.	Analytical Chemistry Instrumental Analysis	39.08.15.F.03.1.03	2	-	2	-	C	5	-	-	-	-	-	-
		39.08.15.F.03.1.03	-	-	-	-	-	-	2	-	2	-	E	5
4.	Biophysics	39.08.15.F.03.1.04	2	-	1	-	E	4	-	-	-	-	-	-
5.	Physical and colloid chemistry	39.08.15.F.03.1.05	4	-	2	-	E	6	-	-	-	-	-	-
6.	Biochemistry	39.08.15.F.03.1.06	-	-	-	-	-	-	2	-	2	-	E	5
7.	Computers programming and languages Computer Aided Graphics for Food Industry	39.08.15.F.03.1.07	2	-	2	-	C	3	-	-	-	-	-	-
		39.08.15.F.03.1.07	-	-	-	-	-	-	1	-	2	-	C	3
PREPARATORY SUBJECT MATTERS														
8.	Ecology and protection of environment in food industry	39.08.15.D.03.1.08	-	-	-	-	-	-	2	-	1	-	C	4
OPTIONAL COURSE (minimal 7 credits)														
9.	Technical drawing	39.08.15.D.03.O.09	-	-	-	-	-	-	1	-	2	-	E	3
10.	Mechanical Engineering I	39.08.15.D.03.O.10	-	-	-	-	-	-	2	1	-	-	E	4
11.	Separation analytical methods	39.08.15.D.03.O.11	-	-	-	-	-	-	4	-	2	-	E	7
SUPPLEMENTARY SUBJECT MATTERS														
12.	Foreign language I Foreign language II	39.08.15.C.03.1.12	1	1	-	-	C	3	-	-	-	-	-	-
		39.08.15.C.03.1.12	-	-	-	-	-	-	1	1	-	-	C	3
Total compulsory hours per week			14	3	9	-	4E	29	14	2	11	-	4E	31
			26				3C		27				3C	
13.	Physical education I Physical education II	39.08.15.C.03.1.13	-	2	-	-	<u>A</u>	-	-	-	-	-	<u>A</u>	-
		39.08.15.C.03.1.13	-	-	-	-	<u>R</u>	-	-	2	-	-	<u>R</u>	-

DEAN
 Prof. Ovidiu TIȚA, Ph.D.

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

"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: CONTROL AND SURVEY OF FOODS
 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 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 Food Microbiology II	39.08.15.D.03.I.14 39.08.15.D.03.I.14	2	-	2	-	E	4	-	-	-	-	-	-
15.	Food Biochemistry	39.08.15.D.03.I.15	4	-	2	-	E	6	-	-	-	-	-	-
16.	Transfer Phenomena	39.08.15.D.03.I.16	2	1	-	-	E	4	-	-	-	-	-	-
17.	Unit Operations and Equipments in Food Engineering	39.08.15.D.03.I.17	-	-	-	-	-	-	2	-	2	-	E	4
18.	Food Toxicology and Innocuousness	39.08.15.D.03.I.18	2	-	1	-	C	3	-	-	-	-	-	-
19.	Human Nutrition and Food Safety	39.08.15.D.03.I.19	-	-	-	-	-	-	2	-	2	-	E	4
20.	General technologies	39.08.15.D.03.I.20	4	-	2	-	E	7	-	-	-	-	-	-
21.	Elements of Electrical Engineering	39.08.15.D.03.I.21	2	-	1	-	C	3	-	-	-	-	-	-
22.	Industrial Training	39.08.15.D.03.I.22	-	-	-	-	-	-	3 weeks x 5 days x 6 hrs./day = 90 hrs.				C	4
SPECIALIZATION SUBJECT MATTERS														
23.	Hygiene	39.08.15.S.03.I.23	-	-	-	-	-	-	2	-	2	-	C	4
24.	Food commodities	39.08.15.S.03.I.24	-	-	-	-	-	-	2	-	1	-	E	4
OPTIONAL COURSE														
25.	Elements of Mechanical Engineering II	39.08.15.D.03.O.25	2	-	-	1	C Pr	4	-	-	-	-	-	-
26.	Principles and methods for conservation	39.08.15.D.03.O.26	2	-	1	-	C	4	-	-	-	-	-	-
SUPPLEMENTARY SUBJECT MATTERS														
27.	Economy and accounting	39.08.15.C.03.I.27	-	-	-	-	-	-	2	1	-	-	C	3
28.	Foreign language I Foreign language II	39.08.15.C.03.I.12 39.08.15.C.03.I.12	-	2	-	-	C	2	-	2	-	-	C	2
Total compulsory hours per week			18	3	9	-	4E 4C	33	14	3	9	-	4E 4C	31
			30				26							
29.	Physical education I	39.08.15.C.03.I.13	-	2	-	-	<u>A</u> <u>R</u>	-	-	-	-	-	-	-

DEAN
 Prof. Ovidiu TIȚA, Ph.D.

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

"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: CONTROL AND SURVEY OF FOODS
 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 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														
30.	Equipment in food industry	39.08.15.D.03.I.28	2	-	1	-	E	3	2	-	1	-	E	3
31.	The expertise of foods	39.08.15.D.03.I.29	2	-	2	1	E	6	-	-	-	-	-	-
32.	Industrial Training	39.08.15.D.03.I.22	-	-	-	-	-	-	3 weeks x 5 days x 6 hrs./day = 90 hrs.				C	4
SPECIALIZATION SUBJECT MATTERS														
33.	Biochemical methods of control and expertise of foods	39.08.15.S.03.I.30	2	-	2	-	E	5	-	-	-	-	-	-
34.	Microbiological and immunological methods of control and expertise of foods	39.08.15.S.03.I.31	2	-	2	-	E	4	-	-	-	-	-	-
35.	Rheological and textural methods for control and expertise of food	39.08.15.S.03.I.32	2	-	2	-	C	4	-	-	-	-	-	-
36.	Radiometric methods for control and expertise of food	39.08.15.S.03.I.33	1	-	1	-	C	3	-	-	-	-	-	-
37.	Sensory analysis	39.08.15.S.03.I.34	2	-	1	-	E	4	-	-	-	-	-	-
SPECIALIZATION SUBJECT MATTERS (OPTIONAL)														
38.	Technologies packet I Technologies in wine industry Technologies in fermentative industry	39.08.15.S.03.O.35	-	-	-	-	-	-	4	-	2	-	E	6
39.	Technologies packet II Technologies in starch and confectionary industry Technologies in canning industry	39.08.15.S.03.O.36	-	-	-	-	-	-	4	-	2	-	E	6
40.	Technologies packet III Technologies in milk industry Technologies in meat industry	39.08.15.S.03.O.37	-	-	-	-	-	-	4	-	2	-	E	6
41.	Technologies packet IV Technologies in baking industry Technologies in milling industry	39.08.15.S.03.O.38	-	-	-	-	-	-	4	-	2	-	E	6
Total compulsory hours per week			13	-	11	1	6E	29	18	-	9	-	5E	31
			25				2C		27				1C	

DEAN
 Prof. Ovidiu TIȚA, Ph.D.

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

"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: CONTROL AND SURVEY OF FOODS
 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 IV

No.	SUBJECT MATTERS	Code	VIIth Semester						VIIIth Semester					
			C	S	L	P	FV	No. of credits	C	S	L	P	FV	No. of credits
PREPARATORY SUBJECT MATTERS														
42.	Management	39.08.15.D.03.I.39	-	-	-	-	-	-	2	1	-	-	C	3
43.	Marketing	39.08.15.D.03.I.40	-	-	-	-	-	-	2	1	-	-	C	3
44.	Control and expertise of foods packaging	39.08.15.D.03.I.41	-	-	-	-	-	-	1	-	-	2	E	2
45.	Food Additives	38.08.25.D.03.I.42	-	-	-	-	-	-	2	-	2	-	C	3
46.	Control the environment by the storage and the shipping of foods	39.08.15.D.03.I.43	-	-	-	-	-	-	2	-	2	-	C	3
47.	Parasitology and epidemiology	39.08.15.D.03.I.44	2	-	2	-	E	4	-	-	-	-	-	-
48.	Quality control and food safety	39.08.15.D.03.I.45	3	-	2	2	E	6	-	-	-	-	-	-
49.	Data management systems in control and expertise of food	39.08.15.D.03.I.46	-	-	-	-	-	-	2	-	2	-	C	4
50.	Legislation concerning consumer protection	39.08.15.D.03.I.47	-	-	-	-	-	-	1	1	-	-	C	2
SPECIALIZATION SUBJECT MATTERS														
51.	Prediction techniques of food quality	39.08.15.S.03.I.48	-	-	-	-	-	-	2	-	1	-	E	3
52.	Technological project	39.08.15.S.03.I.49	-	-	-	2	Pr	4	-	-	-	-	-	-
53.	Elaboration Drafting Diploma	39.08.15.S.03.I.50	-	-	-	-	-	-	3 weeks x 5 days x 6 hrs./day = 90 hrs.			Pr	3	
54.	Authentication and food control	39.08.15.S.03.I.51	-	-	-	-	-	-	2	-	2	-	E	4
SPECIALIZATION SUBJECT MATTERS (OPTIONAL)														
55.	Control and expertise packet I Control and expertise in wine industry Control and expertise in fermentation industry	39.08.15.S.03.O.52	2	-	2	-	E	4	-	-	-	-	-	-
56.	Control and expertise packet II Control and expertise in starch and confectionery industry Control and expertise in canning industry	39.08.15.S.03.O.53	2	-	2	-	E	4	-	-	-	-	-	-
57.	Control and expertise packet III Control and expertise in milk industry Control and expertise in meat industry	39.08.15.S.03.O.54	2	-	2	-	E	4	-	-	-	-	-	-
58.	Control and expertise packet IV Control and expertise in baking industry Control and expertise in milling industry	39.08.15.S.03.O.55	2	-	2	-	E	4	-	-	-	-	-	-
Total compulsory hours per week			13	-	12	4	6E 1Pr	30	16	3	9	2	3E 6C 1Pr	30
59. License Exam							-	-					E	10

DEAN
 Prof. Ovidiu TIȚA, Ph.D.

HEAD OF DEPARTMENT
 Prof. Camelia SAVA, Ph.D