

Food Control and Expertise

Year: I
Semester: I

Nr. crt.	Discipline		hrs/week				Indiv. study	ECT S	Evaluation
	Name	Cod	C	S	L	P			
Compulsory Disciplines (O)									
1	Mathematical analysis	UPB.11.F.01.O.201	2	2			2	4	E
2	Inorganic Chemistry	UPB.11.F.01.O.202	2		2		2	5	E
3	Analytical chemistry and instrumental analysis	UPB.11.F.01.O.203	2		2		2	5	E
4	Economics	UPB.11.C.01.O.204	2	1			1,5	4	V
5	Computer assisted graphics	UPB.11.F.01.O.205	2		2		2	4	V
6	Foreign language I	UPB.11.C.01.O.206		2			1,5	2	V
7	Physical Education I	UPB.11.C.01.O.207		2			-	2	V
TOTAL Compulsory Disciplines (O)			10	7	6		11	26	3E+4V
Optional Disciplines (A)									
8a	Linear algebra, analytical and differential geometry	UPB.11.F.01.A.208	2	2			2	4	E
8b	Probability theory and mathematical statistics	UPB.11.F.01.A.209	2	2			2	4	E
TOTAL optional disciplines (A)			2	2			2	4	1E
TOTAL compulsory disciplines (O) and optional (A)			12	9	6		13	30	4E+4V
TOTAL hrs/week			27						
Facultative disciplines (L)									
1	Chemistry Fundamentals	UPB.11.F.01.L.007		2				2	V
	Physics Fundamentals	UPB.11.F.01.L.008		1				1	V
	Mathematics fundamentals	UPB.11.F.01.L.009		2				1	V
2	Education Psychology	UPB.11.C.01.L.210	2	2				5	E
TOTAL facultative disciplines (L)			2	7				9	1E+3V

Year : I
Semester: II

Nr. crt.	Disciplina		hrs/week				Indiv. study	ECT S	Evaluation
	Denumire	Cod	C	S	L	P			
Compulsory Disciplines (O)									
1	Physics I	UPB.11.F.02.O.211	2		2		2,5	5	E
2	Organic Chemistry	UPB.11.F.02.O.212	3	1	2		3	6	E
3	Physical and colloidal chemistry	UPB.11.F.02.O.213	2	2	2		3	6	E
4	Numerical methods	UPB.11.F.02.O.214	2	1			2,5	5	E
5	Foreign language II	UPB.11.C.02.O.215		2			1,5	2	V
6	Physical Education II	UPB.11.C.02.O.216		2			-	2	V
TOTAL Compulsory Disciplines (O)			9	8	6		12,5	26	4E+2V
Optional disciplines (A)									
8a	Socio - humanistic disciplines / Politics	UPB.11.C.02.A.217	2	1			1,5	4	V
8b	Methods and techniques of communication	UPB.11.C.02.A.218	2	1			1,5	4	V
TOTAL optional disciplines (A)			2	1			1,5	4	1V
TOTAL compulsory disciplines (O) and optional (A)			11	9	6		14	30	4E+3V
TOTAL hrs/ week			26						
Facultative disciplines (L)									
1	Pedagogy I	UPB.11.C.01.L.221	2	2				5	E
TOTAL facultative disciplines (L)			2	2				5	1E

Year:II

Semester: I

Nr. crt.	Discipline		Hrs/week				Indiv. study	ECTS	Evaluation
	Name	Cod	C	S	L	P			
Compulsory Disciplines (O)									
1	Food chemistry	UPB.11.F.03.O.201	3		2		2	5	E
2	Elements of mechanical engineering	UPB.11.D.03.O.202	2		1	2	2,5	5	E
3	Elements of electrical engineering	UPB.11.D.03.O.203	2		2		1,5	4	E
4	Unit operations in food industry I	UPB.11.D.03.O.204	2		2		2	4	E
5	Principles of human nutrition	UPB.11.D.03.O.205	2	1			1,5	4	V
6	Applied informatics	UPB.11.F.03.O.206	1		2		2	4	V
7	Human food psychology	UPB.11.D.03.O.207	2	1			1,5	4	V
TOTAL Compulsory Disciplines (O)			14	2	9	2	13	30	4E+3V
Optional disciplines (A)									
TOTAL optional disciplines (A)									
TOTAL compulsory disciplines (O) and optional (A)			14	2	9	2	13	30	4E+3V
TOTAL hrs/week						27			
Facultative disciplines (L)									
1	Physical Education III	UPB.11.C.03.L.208		2				3	V
2	Pedagogy II	UPB.11.C.03.L.209	2	2				5	E
TOTAL facultative disciplines (L)			2	4				8	1E+1V

Year:II

Semester: II

Nr. crt.	Discipline		Hrs/week				Indiv. study	ECTS	Evaluation
	Name	Cod	C	S	L	P			
Compulsory Disciplines (O)									
1	Biochemistry	UPB.11.D.04.O.211	2		2		1,5	4	E
2	Unit operations in food industry II	UPB.11.D.04.O.212	2		1	1	2,5	5	E
3	Specific microbiology	UPB.11.D.04.O.213	2		2		1,5	4	E
4	Principles and methods of food preservation	UPB.11.D.04.O.214	2	1			1,5	5	V
5	Sensory analysis	UPB.11.D.04.O.215	2		2		2	4	V
6	Food innocuity	UPB.11.D.04.O.216	2		2		2	4	V
7	Additives and ingredients in food industry.	UPB.11.D.04.O.217	2		2		2	4	E
TOTAL Compulsory Disciplines (O)			14	1	11	1	13	30	4E+3V
Optional disciplines (A)									
TOTAL optional disciplines (A)									
TOTAL compulsory disciplines (O) and optional (A)			14	1	11	1	13	30	4E+3V
TOTAL hrs/week						27			
Facultative disciplines (L)									
1	Methodics of teaching specialized matters	UPB.11.C.04.L.218	2	2				5	E
TOTAL facultative disciplines (L)			2	2				8	1E

Year:III

Semester: I

Nr. crt.	Disciplines		Hrs/week				Indiv. study	ECTS	Evaluation
	name	Cod	C	S	L	P			
Compulsory Disciplines (O)									
1	Food biotechnology	UPB.11.D.05.O.201	2		1		1,5	4	V
2	Equipments in the food industry I	UPB.11.D.05.O.202	2		2	1	3	6	E
3	Physical properties of food products	UPB.11.S.05.O.203	2		2		1,5	4	V
4	General food technologies	UPB.11.D.05.O.204	2		2		1,5	4	E
5	Enzymatic and imonological methods for food analysis	UPB.11.S.05.O.205	2		2		1,5	4	E
6	Spectrophotometric methods for food analysis	UPB.11.S.05.O.206	2		2		1,5	4	E
7	Membrane techniques in food analysis	UPB.11.S.05.O.207	2		1		1,5	4	V
TOTAL Compulsory Disciplines (O)			14		12	1	12	30	4E+3V
TOTAL compulsory disciplines (O) and optional (A)			15	1	11	1	12	30	4E+3V
TOTAL hrs/ week.....			27						
Facultative disciplines (L)									
1	Computer aided training	UPB.11.C.05.L.208	1	1				2	V
2	Teaching practice in preuniversity education I	UPB.11.C.05.L.209		3				3	V
TOTAL facultative disciplines (L)			1	4				5	2V

Year:III

Semester: II

Nr. crt.	Discipline		Hrs/week				Indiv. study	ECTS	Evaluation
	Name	Cod	C	S	L	P			
Compulsory Disciplines (O)									
1	Equipments in the food industry 2	UPB.11.D.06.O.210	2		1	1	2	4	E
2	Equipments in the food industry 3	UPB.11.D.06.O.211	2		1		1,5	3	E
3	Quality management in food industry	UPB.11.S.06.O.212	2	1	1		1,5	4	V
4	Chromatographic and electrophoretic methods for food analysis	UPB.11.S.06.O.213	2		2		2	4	E
5	Statistical control of food products	UPB.11.S.06.O.214	2		2		2	3	E
6	Merceology of food products	UPB.11.S.06.O.215	2	1	1		2	3	E
7	Practical training	UPB.11.D.06.O.216	240 ore				-	6	V
TOTAL Compulsory Disciplines (O)			12	2	8	1	11	27	5E+2V
Optional disciplines (A)									
8a	Measuring and control devices in food industry	UPB.11.S.06.A.217	2		2		2	3	V
8b	Methods for operative control in consumer protection	UPB.11.S.06.A.218	2		2		2	3	V
TOTAL optional disciplines (A)			2		2		2	3	1V
TOTAL compulsory disciplines (O) and optional (A)			14		12	1	13	30	5E+3V
TOTAL hrs/week			27						
Facultative disciplines (L)									
1	Classroom management	UPB.11.C.06.L.219	1	1				3	E
2	Teaching practice in preuniversity education II	UPB.11.C.06.L.220		3				2	V
3	Final examination level I	UPB.11.C.07.L.221						5	E
TOTAL facultative disciplines (L)			1	4				10	2E+1V

Year:IV

Semester: I

Nr. crt.	Discipline		hrs/week				Indiv. study	ECTS	Evaluation
	Name	Cod	C	S	L	P			
Compulsory Disciplines (O)									
1	Legislation and consumer protection	UPB.11.D.07.O.201	2	1			1	3	E

2	Management	UPB.11.D.07.O.202	2	1			1	3	E
3	Hygiene of agri-food companies	UPB.11.S.07.O.203	2	1			1,5	3	V
4	Marketing	UPB.11.D.07.O.204	2	1			1,5	3	V
5	Ecology and Environmental	UPB.11.S.07.O.205	2	1			1,5	4	E
6	Packaging and design in food industry	UPB.11.D.07.O.206	2		1	1	2	5	E
TOTAL Compulsory Disciplines (O)			12	5	1	1	9,5	21	4E+2V
Optional disciplines (A)									
7a	Technologic and residual waters	UPB.11.S.07.A.207	2		2		2	5	V
7b	Decontamination systems in the food industry	UPB.11.S.07.A.208	2		2		2	5	V
8a	Phytosanitary control	UPB.11.S.07.A.209	2		2		1,5	4	V
8b	Foods toxicology	UPB.11.S.07.A.210	2		2		1,5	4	V
TOTAL optional disciplines (A)			4		4		3,5	9	2V
TOTAL compulsory disciplines (O) and optional (A)			16	5	5	1	13	30	4E+4V
TOTAL hrs/ week							27		

Anul:IV

Semestrul: II

Nr. crt.	Discipline		Hrs/week				Indiv. study	ECTS	Evaluation
	Name	Cod	C	S	L	P			
Compulsory Disciplines (O)									
1	Food counterfeiting control	UPB.11.S.08.O.211	2		2		1,5	4	V
2	Genetic modified and special purpose foods	UPB.11.S.08.O.212	2		2		1,5	4	V
3	Transport and storage systems for food products	UPB.11.S.08.O.213	2		1	1	2	5	V
4	Policies and global strategies for food security	UPB.11.D.08.O.214	2	2			1.5	5	V
5	License/diploma project	UPB.11.S.08.O.215				6	2.5	6	V
6	Practical training *	UPB.11.D.08.O.216	120 ore				-	2	V
TOTAL Compulsory Disciplines (O)			8	2	5	7	10	26	6V
Optional disciplines (A)									
7a	Sanitary veterinary control and food safety	UPB.11.S.08.A.217	2		2		2	4	V
7b	Legislation and consumer protection	UPB.11.S.08.A.218	2		2		2	4	V
TOTAL optional disciplines (A)			2		2		2	4	1V
TOTAL compulsory disciplines (O) and optional (A)			10	2	7	7	12	30	7V
TOTAL hrs/ week							26		