CURRICULUM

"Al. I. CUZA" UNIVERSITY OF IASI
FACULTY OF CHEMISTRY
MASTER STUDIES: **CHIMIE**
SPECIALIZATION: **DIDACTICS OF CHEMISTRY**
DURATION: 2 years

The disciplines contained in the curriculum

No.	*Course name*	I				II				III				IV				Evaluation forms		Hours / discipline			
		14 weeks			ECTS	14 weeks			ECTS	14 weeks			ECTS	12 weeks			ECTS			Total	from which:		
		C	S	L	credits	C	S	L	credits	C	S	L	credits	C	S	L	credits	E	C		C	S	L
1	Advanced inorganic chemistry	2	2		8													1		56	28	28	
2	Advanced organic chemistry	2		2	8													1		56	28	28	
3	Thermochemistry and echilibria	2		2	8													1		56	28		28
4	Optional 1	2	2		6																		
5	Evaluation of teaching process in chemistry					2	2		8									2		56	28	28	
6	Psyhopedagogical strategies in chemistry					2	2		8									2		56	28	28	
7	Monitoring of teaching skills in the synthesis and characterization of inorganic compounds					2	2		8									2		56	28	28	
8	Optional 2					2	2		6												28		
9	Portfolio for didactic exams									2	2		8					3		56	28	28	
10	Tehnical inorganic substances									2	2		8					3		56	28	28	
11	Evaluation of teaching skilss - Practikum									1	3		8					3		56	14	42	
12	Optional 3									2	2		6										
13	Strategies in organic synthesis													2	2		8	4		48	24	24	
14	Advanced bioinorganic chemistry													2	2		8	4		48	24	24	
15	Portfolio for didactic exams - Practikum													1	3		7	4		48	12	36	
16	Optional 4													2	2		7						
	Elaboration of dissertation																	4					
Hours/ week		8.0	4.0	4	30	8.0	8.0	0	30	7.0	9.0	0	30	7.0	9.0	0	30			648	312	322	28
		16				16				16				16									

Optional courses

No.	Denumirea disciplinei	I				II				III				IV				Evaluation forms		Hours / discipline			
		14 weeks			ECTS	14 weeks			ECTS	14 weeks			ECTS	12 weeks			ECTS			Total	from which:		
		C	S	L	credits	C	S	L	credits	C	S	L	credits	C	S	L	credits	E	C		C	S	L
1	*Elaboration of an objectives library- Practikum*	1	3.0		6													1		56	14	42	
	Practikum (laboratory technicques)	1		3	6													1		56	14		42
2	*Metodology of teaching instruments*					1	3.0		6									2		56	14	42	
	Special inorganic syntheses					2		2	6									2		56	28		28
3	*Fundamentals of environmental chemistry*									2	2		6					3		56	28	28	
	Quantitative relationship in coordinative chemistry									2	2		6					3		56	28	28	
4	*Biological active organic compounds*													2	2		6	4		48	24	24	
	Natural compounds													2		2	6	4		48	24	24	

Elective courses within the Department of Didactic Personnel Training

No.		***Name of the discipline***				Hours/Week					Evaluation forms	ECTS credits
					Weeks	C	A	C	A	Total		
1		*Psyhopedagogy of teenagers and adults*			14	2	1	28	14	42	E	5
2		*Management of educational programs*			14	2	1	28	14	42	E	5
3		*Didactic of chemistry*			14	2	1	28	14	42	E	5
4		*Teaching practicum*			14	-	3	-	42	42	C	5
5		Optional package 1: *Counselling and orientation* *Educational communication* *Methodology of educational research* *Integrated education* Optional package 2:	I	2	14	1	2	14	28	42	E	5
6		*Sociology of education* *Management of scholar organization* *Educational politics* *Intercultural education* *Contemporary pedagogical skilss*	II	3	14	1	2	14	28	42	E	5
TOTAL – Level II			-	-	-	-	-	112	140	252	5E+	30
											1C	
			II	4	2	-	-	-	-	-	E	5
		Graduation examination: Level II										