

NORTH UNIVERSITY OF BAIA MARE  
 FACULTY OF SCIENCES  
 CHEMISTRY-BIOLOGY DEPARTMENT  
 MASTER STUDIES: BIOLOGY- BIOCHEMISTRY  
 STUDIES TIME RANGE: 2 YEARS

Starting with: 2008-2009 academic year

## TEACHING PLAN 1st Year

Nr. crt.	CODE	Denumire disciplina/Name of discipline	SEMESTRUL I/1st Semester					SEMESTRUL II/2nd Semester					TOTAL HOURS	TOTAL CREDITS
			C	S	L	FV	CR	C	S	L	FV	CR		
		<b>Discipline obligatorii/ Obligatory disciplines</b>												
1	SBIOM101	Citogenetica teoretica si aplicata Theoretical and applied cytogenetics	2	-	1	C	10	-	-	-	-	-	42	10
2	SBIOM102	Enzimologie: structura si functii, cinetica enzimatica Enzymology: structure and functions, enzymatic kinetics	2	-	3	Ex	10	-	-	-	-	-	70	10
3	SBIOM103	Metabolism celular Cell metabolism	2	-	3	Ex	10	-	-	-	-	-	70	10
4	SBIOM201	Biochimie analitica si analize de urme Analytical biochemistry and traces analysis	-	-	-	-	-	3	-	2	Ex	8	70	8
5	SBIOM202	Microbiologie aplicata Applied microbiology	-	-	-	-	-	2	-	2	Ex	10	56	10
6	SBIOM203	Teoria receptor- ligand Receptor-ligand theory	-	-	-	-	-	1	-	1	Ex	6	28	6
7	SBIOM204	Biotehnologii vegetale Vegetal biotechnologies	-	-	-	-	-	-	-	3	C	6	42	6
		<b>ORE/HOURS</b>	<b>6</b>	<b>-</b>	<b>7</b>	<b>2Ex; 1 C</b>		<b>6</b>	<b>-</b>	<b>8</b>	<b>3Ex; 1C</b>			
		<b>TOTAL</b>			<b>13</b>		<b>30</b>			<b>14</b>		<b>30</b>	<b>378</b>	<b>60</b>

C - CLASSES' S- SEMINARIES; L - LABORATORIES; FV - EXAM, COLOCVIUM; CR - CREDITS ASSIGNED

Rector  
prof.univ.dr.ing.Dan Călin PETER



Decan  
conf.univ.dr. Nicolae POP

Şef catedra  
prof.univ.dr. Anca MIHALY COZMUTA

## TEACHING PLAN 2nd Year

Nr. crt.	CODE	Denumire disciplina/Name of discipline	SEMESTRUL I/1st Semester					SEMESTRUL II/2nd Semester					TOTAL HOURS	TOTAL CREDITS
			C	S	L	FV	CR	C	S	L	FV	CR		
<b>Discipline obligatorii/Obligatory disciplines</b>														
1	SBIOM301	Biochimia proteinelor si a acizilor nucleici Biochemistry of proteins and nucleic acids	2	-	2	Ex	10	-	-	-	-	-	56	10
2	SBIOM302	Imunologie si imunochimie Immunology and immunochemistry	3	-	2	Ex	10	-	-	-	-	-	70	10
3	SBIOM401	Metode utilizate in analiza compusilor biologic activi Analysis methods for biologically active compounds	-	-	-	-	-	3	-	3	Ex	12	84	12
4	SBIOM402	Transcriptia si transductia informatiei genetice Transcription and transduction of genetic information	-	-	-	-	-	2	-	1	Ex	8	42	8
5	SBIOM403	Activitate de cercetare pentru elaborarea lucrarii de dizertatie Research activity for dissertation thesis	-	-	-	-	-	-	-	5		10	70	10
<b>TOTAL ORE/TOTAL HOURS</b>			<b>5</b>	<b>-</b>	<b>4</b>	<b>2Ex</b>	<b>20</b>	<b>5</b>	<b>-</b>	<b>9</b>	<b>2Ex</b>	<b>30</b>	<b>322</b>	<b>50</b>
<b>TOTAL GENERAL DISCIPLINE OBLIGATORII/TOTAL HOURS</b>			<b>9</b>					<b>14</b>						
<b>Optional disciplines</b>														
PO I	SBIOM303	Compusi vegetali cu efect terapeutic Vegetal compounds with therapeutic effects	2	-	3	C	10	-	-	-	-	-	70	10
		Produsi animalii cu efect terapeutic Animal compounds with therapeutic effects	2	-	3	C	10	-	-	-	-	-	70	10
<b>ORE DISCIPLINE OPTIONALE/HOURS FOR OPTI</b>			<b>2</b>	<b>-</b>	<b>3</b>	<b>1C</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>70</b>	<b>10</b>
<b>TOTAL ORE DISCIPLINE OPTIONALE/TOTAL HOURS FOI</b>			<b>5</b>											
<b>TOTAL GENERAL /TOTAL HOURS</b>			<b>14</b>			<b>2Ex; 1C</b>	<b>30</b>		<b>-</b>				<b>392</b>	<b>60</b>

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