

**CURRICULUM – 1st year
2021-2022**

UNIVERSITY	„GEORGE EMIL PALADE” UNIVERSITY OF MEDICINE, PHARMACY, SCIENCE AND TECHNOLOGY OF TÂRGU MUREŞ	SPECIALISATION	MEDICAL BIOTECHNOLOGY
FACULTY	FACULTY OF PHARMACY	TITLE	SPECIALIST IN MEDICAL BIOTECHNOLOGY
FIELD OF STUDY	PHARMACY	DURATION	1 YEAR
LEVEL OF REGULATION	LEVEL 7	ECTS	60 (COMPULSORY + OPTIONAL) + 10 Elaboration of dissertation paper

No	Educational activities Disciplines	Code/ Type of disciplines*	1 st Semester								2 nd Semester								Total per academic year			
			1 st Module (7 weeks)				2 nd Module (7 weeks)				3 rd Module (7 weeks)				4 th Module (7 weeks)							
			Lect.	PA/ Sem.	ECTS	Type of Assess- ment	Lect.	PA/ Sem.	ECTS	Type of Assess- ment	Lect.	PA/ Sem.	ECTS	Type of Assess- ment	Lect.	PA/ Sem.	ECTS	Type of Assess- ment	Lect.	PA/ Sem.	Ind. study	ECTS
Compulsory disciplines																						
1.	Notions of molecular genetics	BTM102/DS	2	2	6	E													14	14	126	6
2.	Microbiology and molecular cell biology applied in biotechnology	BTM103/SS	2	2	6	E													14	14	126	6
3.	Protein biochemistry	BTM101/AKS					4	2	5	E									28	14	84	5
4.	Imunobiology	BTM104/AKS					2	-	4	V									14	-	84	4
5.	Bioanalytical techniques	BTM105/DS					4	4	6	E	-	4	4	V					28	56	154	10
6.	Molecular therapies	BTM108/AKS					-	-	-	-	2	2	4	E					14	14	70	4
7.	Ethics and academic integrity	BTM110/SS					2	-	3	E									14	-	63	3
8.	Pharmaceutical forms obtained by biotechnology	BTM109/AKS									4	4	6	E					28	28	98	6
9.	Applied immunology; monoclonal antibodies	BTM106/AKS													2	-	4	E	14	-	84	4
10.	Tissue engineering	BTM107/AKS													2	-	4	E	14	-	84	4
11.	Integrated professional practice **	BTM111/SS													-	-	4	V	-	90	21	4
12.	Optional discipline ***														2	-	4	V	14	-	77	4
13.	Elaboration of dissertation paper																		-	56	-	10
GRAND TOTAL		2DS, 3SS, 6AKS	4	4	12	2E;-V	12	6	18	3E;1V	6	10	14	2E;1V	6	-	16	2E;2V	196	230	1071	60+10
TOTAL HOURS/CREDITS			13 hours/week ; 30 ECTS								11 hours/week ; 30 ECTS								426			
** Optional discipline / a discipline of choice from:																						
Pack 1, 2 or 3																						

Ratio theory (lecture) /practical activity PA, Seminar, Internship, Practice): 196/230 = **1/1,17**; Ratio exam / verification = 9/4

** Integrated professional practice = 6 hours/day x 5 days/week x 3 weeks = 90 hours

*DS – deepening subject; SS – synthesis subject; AKS – advanced knowledge subject

E – exam; V – verification ; Lect.- Lecture; PA – practical activities; Sem – Seminar; ECTS – Transferable European Credits; Ind. study – independent study

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