

CURRICULUM – 1st year 2023-2024

UNIVERSITY	"GEORGE EMIL PALADE" UNIVERSITY OF MEDICINE, PHARMACY, SCIENCE, AND TECHNOLOGY OF TIRGU MURES	MASTER'S STUDY PROGRAM	ADVANCED LABORATORY TECHNIQUES
FACULTY	FACULTY OF MEDICINE	TITLE	SPECIALIST in ADVANCED LABORATORY TECHNIQUES
FIELD OF STUDY	MEDICINE	DURATION	2 years
LEVEL OF REGULATION	Level 7 EFQ/CEC and CNC	TRANSFERABLE EUROPEAN CREDITS (ECTS)	60 (COMPULSORY AND OPTIONAL)

No.	Educational activities Subjects	Code/ Type of subjects*	1st Semester I (14 weeks)								2nd Semester (14 weeks)								Total per 1st Module academic year			
			Modul1 I (7 weeks)				Module II (7 weeks)				Module III (7 weeks)				Modul IV (7 weeks)							
			Lecture	PA	ECTS	Type of Assessment	Lecture	PA	ECTS	Type of Assessment	Lecture	PA	ECTS	Type of Assessment	Lecture	PA	ECTS	Type of Assessment	Lecture	PA	Indiv. study	ECTS
Compulsory subjects																						
1.	Collection and processing of biological products	LCL108/DS	2	2	5	E													14	14	98	5
2.	Qualitv management in the medical analysis laboratory	LCL109/AKS	2	4	7	E													14	28	126	7
3.	Transfusion hematology	LCL107/AKS	2	2	4	V													14	14	77	4
4.	Analytical principles and biochemistry techniques	LCL110/AKS					4	4	7	E									28	28	112	7
5.	Analvsis of biological fluids	LCL111/SS					2	4	7	E									14	28	126	7
6.	Laboratory diagnosis of infection	LCL112/AKS									2	4	6	E					14	28	112	6
7.	Ethics and academic integrity	LCL113/SS									2	-	3	E					14	-	63	3
8.	Advanced scientific research	LCL114/AKS									4	2	5	V/C					28	14	84	5
9.	Immunological diagnosis	LCL115/AKS													2	4	6	E	14	28	112	6
10.	Applied biostatistics	LCL116/DS													4	4	6	V/C	28	28	98	6
11.	Optional subject**	LCL117/SS													2	-	4	V	14	-	84	4
GRAND TOTAL		2DS, 3SS, 6AKS	6	8	16	2E;1V	6	8	14	2E	8	6	14	2E; 1V	8	8	16	1E;2V	196	210	1092	60
TOTAL HOURS;CREDITS			14 hours/week; 30 ECTS								14 hours/week; 30 ECTS								406			
** Optional subjects/a subject of your choice from:																						
Pack 1, 2 or 3																						

Ratio theory/practical activity (Practical activities, Internship, Seminar, Practice): 196/210= 1/1,07; Ratio exams/verifications= 7/4

* DS - Deepening subject; SS - synthesis subject; AKS - advanced knowledge subject

E – exam; C – colloquy; V – verification, PA – Practical Activities; ECTS – Transferable European Credits; Indiv. study – individual study

RECTOR,
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IOSUM DIRECTOR,
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DEAN,
Prof. Ovidiu S. Cotoi, MD, Ph

RESPONSIBLE FOR THE PROGRAM,
Prof. Anca Bacărea, MD, Ph

CURRICULUM – 2nd year 2024-2025

UNIVERSITY	"GEORGE EMIL PALADE" UNIVERSITY OF MEDICINE, PHARMACY, SCIENCE, AND TECHNOLOGY OF TIRGU MURES	MASTER'S STUDY PROGRAM	ADVANCED LABORATORY TECHNIQUES
FACULTY	FACULTY OF MEDICINE	TITLE	SPECIALIST in ADVANCED LABORATORY TECHNIQUES
FIELD OF STUDY	MEDICINE	DURATION	2 years
LEVEL OF REGULATION	Level 7 EFQ/CEC and CNC	TRANSFERABLE EUROPEAN CREDITS (ECTS)	60 (COMPULSORY AND OPTIONAL)

No.	Educational activities Subjects	Code/ Type of subjects*	1st Semester I (14 weeks)								2nd Semester (14 weeks)								Total per 1st Module academic year			
			Modul1 I (7 weeks)				Module II (7 weeks)				Module III (7 weeks)				Modul IV (7 weeks)							
			Lectur e	PA	ECTS	Type of Assess ment	Lect ure	PA	ECTS	Type of Assessm ent	Lect ure	PA	ECTS	Type of Assess ment	Lect ure	PA	ECTS	Type of Assess ment	Lectu re	PA	Indiv. study	ECTS
Compulsory subjects																						
1.	Genetic diagnosis	LCL210/OBL/DS	2	4	7	E												14	28	133	7	
2.	Cytopathology and immunohistochemistry	LCL211/OBL/AKS	4	4	7	E												28	28	119	7	
3	Clinical correlations	LCL212/OBL/AKS					2	2	5	E								14	14	98	5	
4	Cytology of smear fluids	LCL209/OBL/AKS					2	2	4	V								14	14	77	4	
5	Laboratory diagnosis of hematological diseases	LCL201/OBL/AKS					2	4	7	E	4	4	7	E				42	56	224	14	
6	Information systems in the clinical laboratory	LCL213/OBL/AKS									2	4	7	E				14	28	133	7	
7	Medical bacteriology	LCL214/OBL/DS													2	4	4	E	14	28	64	4
8	Molecular diagnosis	LCL215/OBL/AKS													2	2	4	V	14	14	77	4
9	Optional Discipline**	LCL216/OPT/SS													2	-	4	V	14	-	91	4
10	Specialized practice***	LCL217/OBL/SS													-	-	4	V	-	42	64	4
11	Defense of the dissertation																	-	56	-	10	
GRAND TOTAL		2DS, 2SS,6AKS	6	8	14	2E	6	8	16	2E;1V	6	8	14	2E	6	6	16	1E;3V	168	252	1080	60 + 10
TOTAL HOURS;CREDITS			14 hours/week; 30 ECTS								13 hours/week; 30 ECTS								420			
** Optional subjects/a subject of your choice from:																						
Pack 1, 2 or 3																						

Ratio theory/practical activity (Practical activities, Internship, Seminar, Practice): 168/252= 1/1.5 Ratio exams/verifications= 7/4

*** Specialized practice 7 weeks 2 days /week x 3 hours/day = 42 ore

*DS - Deepening subject; SS - synthesis subject; AKS - advanced knowledge subject

E – exam; C – colloquy; V – verification, PA – Practical Activities; ECTS – Transferable European Credits; Indiv. study – individual study

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