

**UNIVERSITATEA DIN BUCUREȘTI**  
**FACULTATEA DE BIOLOGIE**

Domeniul: **Biologie**

Specializarea/Programul de studiu: **Applied Biochemistry and Molecular Biology**

Titlul absolventului: **Master's degree**

Durata studiilor: **4 semestre**

Forma de învățământ: **cu frecvență**

Limba de predare: **engleză**

**TEACHING PROGRAM 2021 - 2023**

Nr. Crt.	Topics	SEMESTER I			SEMESTER II			hours/ total			Credits
		C	P	Evaluation	C	P	Evaluation	Total	C	P	
1	Cell Signalling	2	2	E	-	-	-	56	28	28	6
2	Advanced Molecular Genetics	2	2	E	-	-	-	56	28	28	6
3	Developmental and stem cell biology	2	2	E	-	-	-	56	28	28	6
4	Genomics	2	2	E	-	-	-	56	28	28	6
4	Individual research activity 1	-	140	V	-	-	-	140	0	140	6
5	Transcriptomics	-	-	-	2	2	E	56	28	28	6
6	Proteomics	-	-	-	2	2	E	56	28	28	6
7	Biochemical and molecular toxicology	-	-	-	2	2	E	56	28	28	6
7	Molecular basis of diseases	-	-	-	2	2	E	56	28	28	6
8	Individual research activity 2	-	-	-	-	140	V	140	0	140	6

Nr. Crt.	Topics	SEMESTER III			SEMESTER IV			hours/ total			Credits
		C	P	Evaluation	C	P	Evaluation	Total	C	P	
9	Tissue engineering for regenerative medicine	2	2	E	-	-	-	56	28	28	6
10	Basis of cellular and tissue pathology	2	2	E	-	-	-	56	28	28	6
11	Gene therapy	2	2	E	-	-	-	56	28	28	6
12	Methods and techniques for data analysis	2	2	V	-	-	-	56	28	28	6
13	Individual research activity 3	-	140	V	-	-	-	140	-	140	6
13	Quality management in clinical and research laboratories	-	-	-	2	2	V	40	20	20	6
14	Developing a research project	-	-	-	-	2	V	40	20	20	3
15	Documentation and writing a scientific paper	-	-	-	-	2	-	40	20	20	3
16	Ethics and academic integrity	-	-	-	2	2	-	40	20	20	6
15	Individual research activity 4	-	-	-	-	-	V	100	-	100	6
16	Documentation, elaboration, of master thesis	-	-	-	-	100	V	100	0	100	6
17	Presentation of master thesis	-	-	-	-	-	-	-	-	-	10

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DIRECTOR DEPARTAMENT