

UNIVERSITATEA DIN BUCUREȘTI / UNIVERSITY OF BUCHAREST

FACULTATEA DE BIOLOGIE / FACULTY OF BIOLOGY

DOMENIUL Biologie / FIELD Biology

PROGRAM DE STUDII: MICROBIOLOGIE APLICATA SI IMUNOLOGIE/ PROGRAMME OF STUDY :

APPLIED MICROBIOLOGY AND IMMUNOLOGY

Durata studiilor: 2 ani, 4 semestre / 2 years /4 semestres

Forma de învățământ : cu frecvență / full time

**PLAN DE ÎNVĂȚĂMÂNT 2020-2022**

**ANUL I 2020-2021**

Nr. No	Denumirea disciplinei	<sup>3)</sup> Total ore Number of hours		Nr. credite Number of ECTS/SECT credits	
		C	S, LP, P	Sem I 1 <sup>st</sup> sem	Sem II 2 <sup>nd</sup> sem
1	Microbiologie medicala I(E)/Medical microbiology I (E)	14	14	6	
2	Microbiologie medicala II(E)/ Medical microbiology II (E)	28	28	7	
3	Micologie aplicata I (E) /Applied mycology I (E)	14	14	5	
4	Micologie aplicata II(E) / Applied mycology II (E)	14	14	5	
5	Generarea, interpretarea si valorificarea datelor experimentale(E)/Experimental data generation, interpretation and publishing (E)	14	28	4	
6	Etica si integritate academica(V)/ Ethics and academic integrity (V)	14		3	
7	Imunogenetica si imunopatologie(E)/ Immunogenetics and immunopathology (E)	28	28		6
8	Microbiologie industriala si biotehnologii moderne(E)/ Industrial microbiology and modern biotechnologies (E)	28	28		5
9	Genetica microorganismelor si biologie moleculara(E)/ Microbial genetics and molecular biology (E)	28	28		7
10	Ecologie microbiana(E)/ Microbial ecology (E)	28	28		4

11	Aplicatii ale bioinformaticii in genomica microbiana si imunologie(E)/Applications of bioinformatics in microbial genomics and immunology (E)	14	14		3
12	Controlul microbiologic standardizat al produselor si mediului(E)/ Standardized microbiological control of products and environment (E)	14	28		5

**ANUL II 2021-2022**

Nr. No	Denumirea disciplinei	<sup>3)</sup> Total ore Number of hours		Nr. credite Number of ECTS/SECT credits	
		C	S, LP, P	Sem I 1 <sup>st</sup> sem	Sem II 2 <sup>nd</sup> sem
1	Strategii antimicrobiene fizice, chimice si biologice(E)/ Physical, chemical and biological antimicrobial strategies (E)	28	28	7	
2	Principii si metode actuale de taxonomie microbiana(E)/ Current principles and methods of microbial taxonomy (E)	28	28	7	
3	Aplicatii ale citometriei in diagnosticul clinic si cercetare(E)/ Applied cytometry for clinical diagnosis and research (E)	14	28	6	
4	Imunohematologie(E)/ Immunohematology (E)	14	14	5	
5	Virologie (E)/ Virology (E)	14	14	5	
6	Fiziopatologie(E)/ Physiopathology (E)	10	10		7
7	Proiectarea modelului experimental utilizat pentru elaborarea lucrării de dizertatie (E)/Experimental design for dissertation project (E)	10	20		7
8	Stagiul de cercetare pentru elaborarea lucrării de dizertatie (40 de ore/saptamana)(V)/ Research internship for dissertation (40 hours / week) (V)		70		4
9	Documentarea si redactarea lucrării de dizertatie (V)/ Dissertation documentation and writing (V)		130		6
10	Managementul calitatii in laboratorul de microbiologie si imunologie(V)/ The quality management in the microbiology and immunology laboratory(V)		130		6



