

DIDACTIC REGULATIONS OF THE DEGREE PROGRAM

BIOLOGY FOR ONE-HEALTH

CLASS L-13

School: Polytechnic and Basic Science

Department: Biology

Regulations in force since the academic year 2025 - 2026

STUDY PLAN

Year I				
Title Course	SSD	Credits	Hours	Professor
Biomathematics	MATH03/A – MATH03/B	6	48	Maria Rosaria Posteraro
Cell and tissue biology (with laboratory)	BIOS-04/A	8 + 2	64 + 16	Chiara Maria Motta
Zoology for One Health (with laboratory)	BIOS-03/A	8 + 2	64 + 16	Michael Kuba
Organic chemistry and principles of chemical biology (with laboratory)	CHEM-05/A	10 + 2	80 + 16	Roberta Marchetti
Plant Biology (with laboratory)	BIOS-01/A	8 + 2	64 + 16	Alessia Postiglione
Year II				
Physics and elements of Statistics	PHYS06/A	6	48	
Natural and man-made habitats (with laboratory)	BIOS-05/A	8 + 2	64 + 16	
Microbiology and global health (with laboratory)	BIOS-15/A	8 + 2	64 + 16	

Physiology of health and well-being (with laboratory)	BIOS-06/A	8 + 2	64 + 16	
Basic and environmental biochemistry (with laboratory)	BIOS-07/A	8 + 2	64 + 16	
One health molecular foundations (with laboratory)	BIOS-08/A	8 + 2	64 + 16	
Year III				
Genetics and genomics for one-health (with laboratory)	BIOS-14/A	8 + 2	64 + 16	
Human pathology (with laboratory)	MEDS-02/A	5 + 1	40 + 8	
General and applied hygiene (with laboratory)	MEDS-24/B	5 + 1	40 + 8	
Physiology of crops and food improvement (with laboratory)	BIOS-02/A	8+2	64+16	
Diseases dynamics and models in a changing world (with laboratory)	MVET-02/A	6+2	48+16	
Topics in one-health and case studies (with laboratory)	BIOS-05/A	6	48	
At the student's choice activity		12	96	
Further knowledge useful for job placement / further linguistic knowledge *		8	200	
Thesis Activity		10	250	

*** For foreign students 4 credits: further linguistic knowledge**