



UNIVERSITATEA „VASILE ALECSANDRI” DIN
BACĂU

Facultatea de Științe

Str. Calea Mărășești, nr. 157, Bacău, 600115
Tel. ++40-234-542411, tel./ fax ++40-234-571012

www.ub.ro; e-mail: stiinte@ub.ro



Domain: **BIOLOGY**

Study programme: **BIOLOGY**

Academic year 2024/2025

STRUCTURE OF THE 1ST YEAR OF STUDY

No.	DISCIPLINE	SEMESTER	NUMBER OF CREDITS	TYPE OF EVALUATION
1	Human Anatomy and Hygiene	1	6	E
2	Vegetal Cytology/ Animal Cytology – optional 1	1	6	E
3	Invertebrate Biology	1	6	E
4	Morphology and Anatomy of Plants	1	6	E
5	General Chemistry	1	5	C
6	Sports/Physical Education 1	1	1	C
7	English 1/ French 1 – optional 2	1	1	C
8	Psychology of Education - elective	1	5	E
9	Animal Histology and Embryology /Vegetal Histology and Embryology - optional 3	2	5	E
10	Biochemistry	2	5	C
11	Biophysics	2	5	C
12	Developmental Biology	2	4	E
13	Systematics of Invertebrates	2	5	E
14	Anthropology	2	5	E
15	Specialized Practical Training 1 (2 weeks x 30 hours = 60 hours)	2	4	C
16	Sports/Physical Education 2	2	2	C
17	English/French 2 - optional 4	2	1	C
18	Pedagogy I (Fundamentals of Pedagogy – Curriculum Theory and Methodology) - elective	2	5	E

E - Exam

C - Colloquium

Dean,
Assoc. Prof. Gloria Cerasela Crișan, PhD

Head of Department,
Lecturer Roxana-Elena VOICU, PhD



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STRUCTURE OF THE IIND YEAR OF STUDY

No.	DISCIPLINE	SEMESTER	NUMBER OF CREDITS	TYPE OF EVALUATION
1	Systematic Botany (Cryptogams)	3	6	E
2	General Genetics	3	6	E
3	Cell Biology	3	5	C
4	Vertebrate Biology	3	6	E
5	Hydrobiology	3	5	C
6	General Parasitology - elective	3	4	C
7	Mathematical Applications in Biology	3	1	C
8	English/French 1 - optional 1	3	1	C
9	Pedagogy II (Training Theory and Methodology + Assessment Theory and Methodology - elective	3	5	EX
10	General Microbiology	4	5	E
11	Systematic Botany (Phanerogams)	4	5	E
12	Systematics of Vertebrates	4	5	E
13	Comparative Anatomy	4	5	E
14	Human Genetics /Plants Genetics - optional 2	4	5	C
15	Specialized Practical Training 2 (2 weeks x 30 hours=60 hours)	4	3	C
16	Taxonomy - elective	4	4	C
17	Fundamentals of Bioinformatics	4	1	C
18	English/French 2 - optional 3	4	1	C
19	Specialization Didactics - elective	4	5	EX

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STRUCTURE OF THE IIIRD YEAR OF STUDY

No.	DISCIPLINE	SEMESTER	NUMBER OF CREDITS	TYPE OF EVALUATION
1	Plant Physiology	5	6	E
2	General Ecology	5	6	E
3	Relational, Nutritional, and Reproductive Functions in Animals	5	6	E
4	Phytocoenology / Phytosociology and Vegetation in Romania - optional 1	5	5	C
5	Immunobiology - elective	5	4	C
6	Scientific and Professional Writing and Communication/Professional Ethics and Intellectual Property – optional 2	5	3	C
7	Nature Conservation	5	4	C
8	Computer-assisted Learning - elective	5	2	C
9	Teaching Practice 1 - elective	5	3	C
10	Evolutionism	6	4	C
11	Plant Nutrition and Development Physiology	6	4	E
12	Phytopathology /Mycology - optional 3	6	4	E
13	Entomology	6	4	E
14	Physiopathology and Functional Explorations	6	4	E
15	Ethology	6	3	C
16	Elaboration of the Bachelor Graduation Paper (2 weeks x 22 hours = 44 hours)	6	6	C
17	Entrepreneurship	6	1	C
18	Class Management – elective	6	3	C
19	Teaching Practice 2 - elective	6	2	C

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