



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: **MATHEMATICS**
Programme of study: **MATHEMATICS**

Academic year 2018/2019

STRUCTURE FIRST YEAR OF STUDY

No	ACADEMIC SUBJECT	SEM	CRED	ASSESSMENT
1	MATHEMATICAL ANALYSIS 1	1	6	EX
2	ALGEBRA 1 (LINEAR ALGEBRA)	1	6	EX
3	MATHEMATICAL LOGIC AND SET THEORY	1	6	EX
4	GEOMETRY 1 (ANALYTIC GEOMETRY)	1	5	EX
5	ALGORITHMS AND PROGRAMMING	1	5	EX
6	FOREIGN LANGUAGE 1A/1B - optional 1	1	2	COL
7	PHYSICAL EDUCATION 1	1	1	COL
8	PSYCHOLOGY OF EDUCATION-facultative	2	5	EX
9	MATHEMATICAL ANALYSIS 2	2	6	EX
10	ALGEBRA 2 (Fundamental algebraic structures)	2	6	EX
11	DATA STRUCTURES	2	5	EX
12	NUMBER THEORY	2	6	EX
13	GEOMETRY 2 (EUCLIDEAN GEOMETRY)	2	5	EX
14	FOREIGN LANGUAGE 2A/2B - optional 2	2	2	COL
15	PHYSICAL EDUCATION 2	2	1	COL
16	COMPUTATIONAL GEOMETRY-facultative	2	4	COL
17	PEDAGOGY I - facultativ	2	5	EX

EX- exam
EX*- written and oral exam
COL- colloquium assessment

Dean,
Prof.univ.dr. Mihai TALMACIU

Programme Coordinator,

Head of Department,
Conf.univ.dr. Marcelina MOCANU



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STRUCTURE SECOND YEAR OF STUDY

No	ACADEMIC SUBJECT	SEM	CRED	ASSESSMENT
1	COMPLEMENTS OF ALGEBRA	3	5	EX
2	MATHEMATICAL ANALYSIS 3	3	5	EX
3	COMPLEX ANALYSIS	3	5	EX
4	GRAPH ALGORITHMICS	3	4	EX
5	HISTORY OF MATHEMATICS/ FUNCTIONAL PROGRAMMING-optional 1	3	5	EX
6	INTERNSHIP IN MATHEMATICS 1	3	3	COL
7	PROFESSIONAL ETHICS AND INTELLECTUAL PROPERTY / SCIENTIFIC AND PROFESSIONAL WRITING AND COMMUNICATION -optional 2	3	1	COL
8	FOREIGN LANGUAGE 3A/3B - optional 3	3	2	COL
9	PHYSICAL EDUCATION 3	3	1	COL
10	PEDAGOGY II - facultative	3	5	EX
11	REAL ANALYSIS	4	5	EX
12	NUMERICAL ANALYSIS	4	4	EX
13	ASTRONOMY/ FINANCIAL MATHEMATICS-optional 4	4	4	EX
14	PROBABILITY THEORY	4	4	EX
15	DIFFERENTIAL EQUATIONS	4	4	EX
16	DIFFERENTIAL GEOMETRY 1 (CURVES AND SURFACES)	4	3	EX
17	FOREIGN LANGUAGE 4A/4B - optional 5	4	2	COL
18	INTERNSHIP IN MATHEMATICS 2	4	4	COL
19	SPECIAL DIDACTICS-facultative	4	5	EX

EX- exam

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STRUCTURE THIRD YEAR OF STUDY

No	ACADEMIC SUBJECT	SEM	CRED	ASSESSMENT
1	FUNCTIONAL ANALYSIS	5	6	EX
2	PARTIAL DIFFERENTIAL EQUATIONS	5	6	EX
3	MATHEMATICAL STATISTICS	5	5	EX
4	GEOMETRY III (Differential Geometry)	5	4	EX
5	FUNDAMENTS OF PROGRAMMING	5	3	EX
6	SPECIAL TOPICS IN ELEMENTARY MATHEMATICS / SPECIAL TOPICS IN DIFFERENTIAL GEOMETRY / SPECIAL TOPICS IN ALGEBRA/ COMBINATORICS - optional 1	5	6	EX
7	DYNAMICAL SYSTEMS-facultative	5	4	COL
8	THEORETICAL MECHANICS	6	5	EX
9	COMPLEMENTE DE MATEMATICI ȘCOLARE	6	6	EX
10	OPERATIONAL RESEARCH	6	5	EX
11	ELABORATION OF BACHELOR THESIS PRACTICE	6	4	COL
12	MATHEMATICAL SOFTWARE	6	5	EX
13	FUNDAMENTS OF MATHEMATICS / GENERAL TOPOLOGY / OPTIMIZATION AND APPLICATIONS /OPERATOR THEORY - optional 2	6	5	COL
14	OFFICE PROFESSIONAL SOFTWARE-facultative	6	4	COL
15	HISTORY OF MATHEMATICS - facultative	6	4	EX

EX- exam

EX*- written and oral exam

COL- colloquium assessment

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