



UNIVERSITATEA „VASILE ALECSANDRI” DIN  
BACĂU

Facultatea de Științe

Str. Calea Mărășești, nr. 157, Bacău, 600115  
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Domeniul: **INFORMATICS**  
Programul de studii: **INFORMATICS**

Academic year 2018/2019

STRUCTURE  
FIRST YEAR OF STUDY

No	ACADEMIC SUBJECT	SEM	CRED	ASSESSMENT
1	MATHEMATICAL ANALYSIS	1	6	EX
2	INTEGRATED DEVELOPMENT ENVIRONMENTS	1	6	EX
3	FUNDAMENTS OF PROGRAMMING	1	6	EX
4	DATABASES	1	5	EX
5	HUMAN-COMPUTER INTERFACE	1	5	EX
6	FOREIGN LANGUAGE IA/IB - optional 1	1	2	COL
7	PHYSICAL EDUCATION I	1	2	COL
8	PSYCHOLOGY OF EDUCATION-facultative	1	5	EX
9	BASIC ACCOUNTING - facultative	1	5	EX
10	CYBERMARKETING - facultative	1	4	EX
11	ARCHITECTURE OF COMPUTER SYSTEMS	2	4	EX
12	ALGEBRAIC FUNDAMENTALS OF INFORMATICS	2	5	EX
13	COMPUTATIONAL GEOMETRY	2	4	EX
14	OBJECT-ORIENTED PROGRAMMING	2	5	EX
15	DATA STRUCTURES	2	5	EX
16	FUNDAMENTAL ALGORITHMS	2	5	EX
17	FOREIGN LANGUAGE IIA/IIB - optional 2	2	2	COL
18	PEDAGOGY I -facultative	2	5	EX
19	MARKETING - facultative	2	5	EX
20	MATHEMATICAL ANALYSIS II - facultative	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	<b>ADVANCED PROGRAMMING METHODS /WEB PLATFORMS AND CONTENT MANAGEMENT SYSTEMS</b> – optional 1	3	5	EX
2	WEB APPLICATION DEVELOPMENT	3	5	EX
3	PROBABILITY AND STATISTICS	3	6	EX
4	FORMAL LANGUAGES AND COMPILERS	3	6	EX
5	GRAPH ALGORITHMS	3	5	EX
6	FOREIGN LANGUAGE III A/III B - optional 2	3	2	COL
7	PROFESSIONAL ETHICS AND INTELLECTUAL PROPERTY / <b>SCIENTIFIC AND PROFESSIONAL WRITING AND COMMUNICATION</b> – optional3	3	1	COL
8	PEDAGOGY II -facultative	3	5	EX
9	GENERAL GENETICS - facultative	3	4	EX
10	TECHNICAL COMMUNICATION- facultative	3	3	EX
11	MATHEMATICAL AND COMPUTATIONAL LOGIC	4	5	EX
12	NUMERICAL COMPUTATION METHODS	4	5	EX
13	DATABASE MANAGEMENT SYSTEMS	4	5	EX
14	COMPUTER NETWORKS	4	4	EX
15	ADVANCED PROGRAMMING TECHNIQUES	4	5	EX
16	INTERNSHIP IN INFORMATICS I	4	4	COL
17	FOREIGN LANGUAGE IV A/IV B-optional 4	4	2	COL
18	PHYSICAL EDUCATION II	4	1	COL
19	SPECIAL DIDACTICS - facultative	4	5	EX
20	INTRODUCTION TO MASS-MEDIA - facultative	4	6	EX
21	GENERAL ECONOMICS - facultative	4	3	COL

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STRUCTURE  
THIRD YEAR OF STUDY

NO	ACADEMIC SUBJECT	SEM	CRED	ASSESSMENT
1	OPERATING SYSTEMS	5	5	EX
2	PARALLEL AND DISTRIBUTED ALGORITHMS	5	5	EX
3	DYNAMICAL SYSTEMS	5	4	EX
4	ARTIFICIAL INTELLIGENCE	5	5	EX
5	SOFTWARE ENGINEERING	5	4	EX
6	(GENETIC ALGORITHMS/NATURAL COMPUTING/ <b>MULTIAGENT SYSTEMS</b> - optional O1	5	3	COL
7	( <b>FUNCTIONAL PROGRAMMING</b> /PROGRAMMING LANGUAGES SEMANTICS/REWRITING SYSTEMS)- optional O2	5	4	COL
8	INDUSTRIAL COMPUTER SCIENCE - facultative	6	6	EX
9	OPERATIONAL RESEARCH	6	5	EX
10	ELABORATION OF BACHELOR THESIS PRACTICE	6	5	COL
11	COMPUTER GRAPHICS	6	5	EX
12	(CONCRETE MATHEMATICS/ <b>SPECIAL TOPICS IN GRAPH THEORY</b> /SPECIAL TOPICS IN COMBINATORICS)-optional O3	6	5	COL
13	(CRYPTOGRAPHY AND DATA SECURITY /DATA ACQUISITION AND PROCESSING / <b>DISTRIBUTED WINDOWS APPLICATIONS PROGRAMMING</b> )- optional O4	6	5	COL
14	( <b>MOBILE APPLICATIONS DEVELOPMENT/ SOFTWARE PROJECT MANAGEMENT</b> /NATURAL LANGUAGE PROCESSING)-optional O5	5	5	COL

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