



UNIVERSITATEA „VASILE ALECSANDRI” DIN
BACĂU

Facultatea de Științe

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Domain: **INFORMATICS**

Programme of study: **APPLIED INFORMATICS IN SCIENCE AND TECHNOLOGY**

Academic year 2021/2022

STRUCTURE FIRST YEAR OF STUDY

No	ACADEMIC SUBJECT	SEM	CRED	ASSESSMENT
1	STOCHASTIC MODELLING WITH APPLICATIONS	1	5	EX
2	GEOMETRIC ALGORITHMS. 3D APPLICATIONS	1	6	EX
3	.NET ADVANCED PROGRAMMING	1	6	EX
4	COMBINATORIAL OPTIMIZATION	1	6	EX
5	Software testing and analysis / CLOUD COMPUTING / SPECIAL TOPICS IN WEB ENGINEERING - optional 1	1	5	COL
6	ACADEMIC ETHICS AND INTEGRITY	1	2	COL
7	PSYCHOPEDAGOGY OF ADOLESCENTS, YOUNG PEOPLE AND ADULTS - elective	1	5	EX
8	NEURAL NETWORKS. APPLICATIONS	2	6	EX
9	SPECIAL TOPICS IN SOFTWARE ENGINEERING	2	6	EX
10	MULTIPLATFORM PROGRAMMING	2	6	EX
11	COMMUNICATION SYSTEMS AND PROTOCOLS IN DISTRIBUTED SYSTEMS / EMBEDDED SYSTEMS / INTELLIGENT INFORMATION ACCESS - optional 2	2	6	EX
12	PROJECT – EDUCATIONAL APPLICATIONS	2	6	COL
13	FOREIGN LANGUAGE FOR COMPUTER SCIENCE (ENGLISH / FRENCH) – optional 3	2	3	COL
14	DESIGN AND MANAGEMENT OF EDUCATIONAL PROGRAMS - elective	2	5	EX
15	EDUCATIONAL COMMUNICATION / COUNSELING AND GUIDANCE / EDUCATIONAL RESEARCH METHODOLOGY / INTEGRATED EDUCATION – optional 4	2	5	EX

EX- exam

EX*- written and oral exam

COL- colloquium assessment

Dean,
Assoc. Prof., PhD
Cerasela CRIȘAN

Programme Coordinator,
Assoc. Prof., PhD
Cerasela CRIȘAN

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Marcelina MOCANU



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STRUCTURE SECOND YEAR OF STUDY

No	ACADEMIC SUBJECT	SEM	CRED	ASSESSMENT
1	ARTIFICIAL INTELLIGENCE APPLICATIONS	3	6	EX
2	CRYPTOGRAPHY AND INFORMATION SECURITY	3	6	EX
3	EFFICIENCY AND OPTIMIZATION METHODS	3	6	EX
4	RISK MANAGEMENT IN IT INDUSTRY	3	6	EX
5	NUANCED LOGIC SYSTEMS / MULTIAGENT SYSTEMS / EVENT-BASED SYSTEMS – optional 5	3	6	COL
6	DIDACTICS OF INFORMATICS AND DEVELOPMENTS IN DIDACTICS SPECIALTY - PRE-UNIVERSITY TEACHING SPECIALIZATION	3	5	EX
7	SOCIOLOGY OF EDUCATION/SCHOOL ORGANIZATION MANAGEMENT/ EDUCATIONAL POLICIES / INTERCULTURAL EDUCATION – optional 6	3	5	EX
8	INTERNSHIP IN INFORMATICS	4	15	COL
9	ELABORATION OF THE DISSERTATION	4	15	COL
10	PEDAGOGICAL PRACTICE - PRE-UNIVERSITY TEACHING SPECIALIZATION - elective	4	5	COL

EX- exam

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