

BRIEF COURSE DESCRIPTION: "COMPUTATIONAL COMPLEXITY" 2021

1. Programme information

1.1 Department	Doctoral School of Mathematics and Informatics
1.2 Institution	Romanian Academy
1.3 Field of study	Informatics
1.4 Study cycle	Doctoral studies

2. Course information

2.1 Course title	Computational Complexity						
2.2 Course instructor	Prof. Dr. Ferucio-Laurențiu Țiplea						
2.3 Seminar instructor	Prof. Dr. Ferucio-Laurențiu Țiplea						
2.4 Laboratory instructor							
2.5 Year of study	I	2.6 Semester	I	2.7 Type of assessment	E*	2.8 Course category	DF**

3. Estimated total time (hours per semester for teaching activities)

3.1 Number of hours per week	4	Of which:					
3.2 lecture	2	3.3 seminar	2	3.4 laboratory			0
3.5 Total hours in the curriculum	56	Of which:					
3.6 lecture	28	3.7 seminar	28	3.8 laboratory			0
Allocation of time:							hours
Study based on the textbook, course materials, bibliography and notes							60
Additional study in the library, on specialised electronic platforms and in the field							100
Preparation for seminar/laboratories, assignments, papers, portfolios and essays							100
Tutoring							55
Examinations							4
Other activities:							—
3.9 Total individual study hours	319						
3.10 Total hours per semester	375						
3.11 Number of credits	15						

4. Learning outcomes and specific competencies acquired

1. Acquisition of the subject matter taught in the course; 2. Ability to use the results presented in new contexts; 3. The knowledge and skills acquired in this course will provide a basis for future scientific research and teaching activities.
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5. Assessment

Type of activity	5.1 Assessment criteria	5.2 Assessment methods	5.3 Weight in final grade
5.4 Course	Acquired knowledge	Written examination	65%
5.5 Seminar	Activity	Case study presentations	35%
5.6 Laboratory			
5.7 Minimum performance standard: Knowledge of 70% of the information contained in the course			

Course instructor's Signature

Prof. Dr. Ferucio-Laurențiu Țiplea

Seminar instructor's Signature

Prof. Dr. Ferucio-Laurențiu Țiplea

Laboratory instructor's Signature

*E = Examination. C = Colloquium.

**DF = Fundamental Course. DS = Specialized Course.