

COURSE BRIEF DESCRIPTION: „IDENTITY-BASED CRYPTOGRAPHY”  
2019-2020

1. Program information

1.1 Department	Exact sciences
1.2 Institution	Romanian Academy
1.3 Study domain	Computer science
1.4 Study cycle	Doctoral degree program

2. Course information

2.1 Course name	Identity-based cryptography						
2.2 Course teacher	Prof. Dr. Ferucio Laurențiu Tiplea						
2.3 Seminar teacher	Prof. Dr. Ferucio Laurențiu Tiplea						
2.4 Laboratory teacher							
2.5 Study year	I	2.6 Semester	I	2.7 Evaluation	E*	2.8 Course status	DS**

3. Total estimated hours (hours per semester and didactic activities)

3.1 Hours per week	4	In which:					
3.2 course	2	3.3 seminar	2	3.4 laboratory	0		
3.5 Hours in curriculum	56	In which:					
3.6 course	28	3.7 seminar	28	3.8 laboratory	0		
Time distribution:							hours
Manual study, course support, bibliography, and others							60
Supplementary documentation in library, in electronic forums, and on the field							55
Seminaries/laboratories preparation, homework, reports, portfolios, and essays							44
Tutoring							55
Evaluation							4
Other activities: Module of general research methods and methodology of scientific paper elaboration							6
3.9 Total hours of individual study	224						
3.10 Total hours per semester	280						
3.11 Credits	15						

4. Specific skills acquired

1. Exposition of fundamental concepts on cryptography;
2. Capability to use the scientific information in practice;
3. The knowledge and skills acquired in this discipline will be the basis of future scientific and didactic research activities;
4. Ability to select and use the most appropriate methods of scientific research independently in one's own professional activity;
5. Ability to present the results obtained in one's own scientific research;
6. Knowledge of the notion of copyright and its ethical implications;
7. Knowledge of the general principles of writing a scientific paper;
8. Writing a scientific paper;
9. Writing a research project.

\*E = Exam. C = Colloquy.

\*\*DF = Compulsory Discipline. DS = Specialized Discipline.

## 5. Evaluation

Activity type	5.1 Evaluation criteria	5.2 Evaluation method	5.3 Percentage
5.4 Course	Knowledge of basic concepts	Written exam	65%
5.5 Seminar	Performance in class	Ongoing evaluation based on the skills proved in class	35%
5.6 Laboratory			
5.7 Minimal performance standards: Knowledge of 70% of the information contained in the course			

Course teacher signature  
Prof. Dr. Ferucio Laurențiu Țiplea

Seminar teacher signature  
Prof. Dr. Ferucio Laurențiu Țiplea

Laboratory teacher signature

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