

**COURSE BRIEF DESCRIPTION: „ADVANCED TECHNIQUES IN 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	Advanced techniques in cryptography						
2.2 Course teacher	Prof. Dr. Ferucio Laurențiu Țiplea						
2.3 Seminar teacher	Prof. Dr. Ferucio Laurențiu Țiplea						
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						50
Tutoring						55
Evaluation						4
Other activities:						-
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 concept;
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.

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

*E = Exam. C = Colloquy.

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