

**SHORT COURSE SHEET: „PROCESSES AND MARKOV CHAINS”  
2018-2019**

**1. Program data**

<b>1.1 Department</b>	Exact Science
<b>1.2 Institution</b>	Romanian Academy
<b>1.3 Field of study</b>	Mathematics
<b>1.4 Cycle</b>	Doctoral

**2. Data on the subject**

<b>2.1 Name of the subject</b>	Processes and Markov chains						
<b>2.2 Holder of course activities</b>	Prof Dr. Lucian Beznea						
<b>2.3 Holder of seminar activities</b>	Prof Dr. Lucian Beznea						
<b>2.4 Holder of laboratory activities</b>							
<b>2.5 Year of study</b>	I	<b>2.6 Semester</b>	I	<b>2.7 Type evaluation</b>	E*	<b>2.8 Regime of the discipline</b>	DS**

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

<b>3.1 Number of hours per week</b>	4	<b>Of which:</b>			
<b>3.2 course</b>	2	<b>3.3 seminar</b>	2	<b>3.4 laboratory</b>	0
<b>3.5 Total hours in the curriculum</b>	56	<b>Of which:</b>			
<b>3.6 course</b>	28	<b>3.7 seminar</b>	28	<b>3.8 laboratory</b>	0
<b>Distribution of time:</b>					<b>hours</b>
<b>Study by textbook, course support, bibliography and notes</b>					60
<b>Additional documentation in the library, on specialized electronic platforms and on the field</b>					100
<b>Preparation of seminars/laboratories, topics, papers, portfolios and essays</b>					94
<b>Tutoring</b>					55
<b>Examinations</b>					4
<b>Other activities:</b> Module: General research methods and methodology of elaboration of scientific papers					6
<b>3.9 Total hours of individual study</b>	319				
<b>3.10 Total hours per semester</b>	375				
<b>3.11 Number of credits</b>	23				

**4. „Learning outcomes” and specific skills acquired**

1. Learning the subject taught in the course;
2. Ability to use the results presented in new contexts;
3. The knowledge and skills acquired within this discipline will be the basis of future scientific and didactic research activities;

**5. Assessment**

<b>Type of activity</b>	<b>5.1 Assessment criteria</b>	<b>5.2 Methods</b>	<b>5.3 Weight of the final grade</b>
<b>5.4 Course</b>	Acquired knowledge	Written exam	65%
<b>5.5 Seminar</b>	Activity	Oral exam	35%
<b>5.6 Laboratory</b>			
<b>5.7 Minimum performance standard:</b> Knowledge of 70% of the information contained in the course			

Signature of the course holder  
Prof Dr. Lucian Beznea

Signature of the seminar holder  
Prof Dr. Lucian Beznea

Signature of the laboratory holder

\*E = Examen. C = Colocviu.

\*\*DF = Disciplină Fundamentală. DS = Disciplină de Specialitate.