

# ROMANIAN ACADEMY

School of Advanced Studies of the Romanian Academy (SCOSAAR)

## COURSE SHEET: "OPTIMAL CONTROL FOR SYSTEMS IN INFINITE DIMENSION" 2017 - 2018

### 1. Information

<b>1.1 Department</b>	Sciences
<b>1.2 Institution</b>	Romanian Academy
<b>1.3 Domain</b>	Mathematics
<b>1.4 Study cycle</b>	Ph.D.

### 2. Data about discipline

<b>2.1 Name of the discipline</b>	Optimal control for systems in infinite dimensions						
<b>2.2 Holder of the course activities</b>	Senior researcher I Dr. Gabriela Marinoschi						
<b>2.3 Holder of the seminar activities</b>	Senior researcher I Dr. Gabriela Marinoschi						
<b>2.4 Titularul activităților de laborator</b>							
<b>2.5 Year</b>	I	<b>2.6 Semester</b>	II	<b>2.7 Type of evaluation</b>	E*	<b>2.8 Discipline regime</b>	DS**

### 3. Total time estimated (hours/semester)

<b>3.1 Number of hours a week</b>	4	<b>From:</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>From:</b>			
<b>3.6 course</b>	28	<b>3.7 seminar</b>	28	<b>3.8 laboratory</b>	0
<b>Study time distribution:</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 in the field</b>					100
<b>Preparation of seminars / laboratories, homework, papers, portfolios and essays</b>					100
<b>Tutorial</b>					55
<b>Examinations</b>					4
<b>Other</b>					-
<b>3.9 Total individual study hours</b>	319				
<b>3.10 Total hours per semester</b>	375				
<b>3.11 Number of credits</b>	20				

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

<ol style="list-style-type: none"> <li>Learning the subject taught in the course;</li> <li>Ability to use the results presented in new contexts;</li> <li>The knowledge and skills acquired in this discipline will be the basis of future scientific and didactic research activities.</li> </ol>
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### 5. Evaluation

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

Course holder signature  
Senior researcher I Dr. Gabriela Marinoschi

Seminar holder signature  
Senior researcher I Dr. Gabriela Marinoschi

Laboratory holder signature

\* E = Exam. C = Colloquium.

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