

**„RELATIVISTIC QUANTUM FIELDS”  
BRIEF DESCRIPTION  
2015-2016**

**1. The program**

<b>1.1 Department</b>	Exact Sciences
<b>1.2 Institution</b>	Romanian Academy
<b>1.3 Domain</b>	Mathematics
<b>1.4 Academic degree</b>	PhD

**2. The course**

<b>2.1 Course name</b>	Relativistic quantum fields						
<b>2.2 Lecturer</b>	C.S. I Dr. Radu Purice						
<b>2.3 Assistant lecturer</b>	C.S. I Dr. Radu Purice						
<b>2.4 Experimental training</b>							
<b>2.5 Year of studies</b>	I	<b>2.6 Semester</b>	II	<b>2.7 Type of evaluation</b>	E*	<b>2.8 Type of course</b>	DS**

**3. Duration (didactic activities in hours/semester)**

<b>3.1 Hours per week</b>	4	<b>Of which:</b>			
<b>3.2 reading</b>	2	<b>3.3 seminar</b>	2	<b>3.4 laboratory</b>	0
<b>3.5 Number of hours (in the curriculum)</b>	56	<b>Of which:</b>			
<b>3.6 reading</b>	28	<b>3.7 seminar</b>	28	<b>3.8 laboratory</b>	0
<b>Working time distribution:</b>					<b>ore</b>
<b>Study of written materials</b>					60
<b>Suplimentary documentation (internet, data bases, on the ground)</b>					100
<b>Preparing for seminar and laboratory trainment and elaboration of written works</b>					100
<b>Monitoring</b>					55
<b>Examination</b>					4
<b>Other activities:</b>					0
<b>3.9 Total individual study time</b>	319				
<b>3.10 Total number of hours per semester</b>	375				
<b>3.11 Credits number</b>	15				

**4. Expected “gain of learning” and added specific competences**

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. Evaluation**

<b>Activity</b>	<b>5.1 Evaluation criteria</b>	<b>5.2 Evaluation methods</b>	<b>5.3 Weight in final note</b>
<b>5.4 Lecture</b>	Acquired knowledge	Written examination	65%
<b>5.5 Seminar</b>	Activity	Oral examination	35%
<b>5.6 Laboratory</b>			
<b>5.7 Minimal standard:</b> Knowledge of 70% of the total information presented in the course.			

Lecturer signature  
C.S. I Dr. Radu Purice

Assistant lecturer signature  
C.S. I Dr. Radu Purice

Experimental training signature

\*E = Examen. C = Colocviu.

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