

**IRTG Complex Systems Disentanglement through Data Analysis**

**Study program 2019 – 2022**

Disciplines & Activities	Semester I		Semester II		Examination	ECTS
	Course hours	Seminar hours	Course hours	Seminar hours		
<i>Training program of advance university studies<sup>1</sup></i>						
Methodology of scientific studies	6	6	-	-	E	3
Conceptual approaches in scientific research	6	6	-	-	E	5
Communication techniques	12	12	-	-	E	4
Observing social construction of knowledge through empirical data	6	6	-	-	E	5
An introduction to computational methods with applications	6	6	-	-	E	5
Network analysis	-	-	6	6		5
Ethics and academic integrity	14	-	-	-	E	3
<b>Total hours and ECTS</b>	50	36	6	6		<b>30</b>

Scientific research program	Sem. II	Sem. III	Sem. IV	Sem. V	Sem. VI	Examination	ECTS
Yearly progress report & update of the research project	x					C	30
Yearly progress reports (each 10 ECTS)			x		x	C	20
Report on the theoretical founding of the research		x				C	25
Report on the research methodology			x			C	25
Report regarding the preliminary research results				x		C	25
Report regarding the contribution of the research in respect with current scientific knowledge					x	C	25
<b>Total ECTS</b>							<b>150</b>
<b>Total general ECTS</b>							<b>180</b>

<sup>1</sup> The disciplines listed here will be taught in a modular system. Doctoral students can, with the approval of their doctoral supervisor, replace them with relevant disciplines from the curricula of other doctoral schools, in the limit of 13 ECTS.

**DIRECTOR ȘCOALĂ DOCTORALĂ**

**Prof. univ. dr. Mihai DIMA**

**Director CSUD**

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