

## IRTG Mind, Language and Cognition

Study program 2022 – 2025

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>						
Selected Topics in Contemporary Metaphysics	-	-	10	10	E	6
Classification and learning algorithms in computational linguistics	10	10	-	-	E	6
Cognitive science	-	-	6	6	E	5
Linguistics and cognition	-	-	10	10	E	5
Contemporary Topics in Mind and language	-	-	10	10	E	5
Ethics and academic integrity	14	-	-	-	E	3
<b>Total hours and ECTS</b>	34	20	22	22		<b>30</b>

Scientific research program	Sem. II	Sem. III	Sem. IV	Sem. V	Sem. VI	Examination	ECTS
Yearly progress reports (each 25 ECTS)	x		x		x	C	75
Scientific report 1	x					C	25
Scientific report 2			x			C	25
Scientific report 3					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**  
Prof. univ. dr. Virgil BĂRAN

**IRTG Complex Systems**

**Study program 2022 – 2025**

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>						
Conceptual approaches in scientific research	6	6	-	-	E	5
Observing social construction of knowledge through empirical data	6	6	-	-	E	5
Quantitative data analysis	10	10	-	-	E	6
Observing and imaging through spectroscopy	-	-	16	16	E	6
Network analysis	-	-	6	6	E	5
Ethics and academic integrity	14	-	-	-	E	3
<b>Total hours and ECTS</b>	<b>36</b>	<b>22</b>	<b>22</b>	<b>22</b>		<b>30</b>

Scientific research program	Sem. II	Sem. III	Sem. IV	Sem. V	Sem. VI	Examination	ECTS
Yearly progress reports (each 25 ECTS)	x		x		x	C	75
Scientific report 1	x					C	25
Scientific report 2			x			C	25
Scientific report 3					x	C	25
<b>Total ECTS</b>							<b>150</b>
<b>Total general ECTS</b>							<b>180</b>

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**IRTG Natural resources & Socio-ecological systems**

**Study program 2022 – 2025**

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>						
Complexity, Institutions and the Governance of Social-Ecological Systems	12	12	-	-	E	7
Institutions and institutionalism	12	12	-	-	E	6
Methodology of scientific studies	6	6	-	-	E	5
Network analysis	-	-	6	6	E	5
Scientific projects writing	-	-	6	6	E	4
Ethics and academic integrity	14	-	-	-	E	3
<b>Total hours and ECTS</b>	44	30	12	12		<b>30</b>

Scientific research program	Sem. II	Sem. III	Sem. IV	Sem. V	Sem. VI	Examination	ECTS
Yearly progress reports (each 25 ECTS)	x		x		x	C	75
Scientific report 1	x					C	25
Scientific report 2			x			C	25
Scientific report 3					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.

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**IRTG Higher education studies**

**Study program 2022 – 2025**

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>						
Higher Education Studies. Institutional Models. Policies and Governance	12	12	-	-	E	6
Institutions and institutionalism	12	12	-	-	E	6
Design of research themes and academic positioning	6	18	-	-	E	6
Gender studies	-	-	6	6	E	5
Scientific projects writing	-	-	6	6	E	4
Ethics and academic integrity	14	-	-	-	E	3
<b>Total hours and ECTS</b>	50	48	6	6		<b>30</b>

Scientific research program	Sem. II	Sem. III	Sem. IV	Sem. V	Sem. VI	Examination	ECTS
Yearly progress reports (each 25 ECTS)	x		x		x	C	75
Scientific report 1	x					C	25
Scientific report 2			x			C	25
Scientific report 3					x	C	25
<b>Total ECTS</b>							<b>150</b>
<b>Total general ECTS</b>							<b>180</b>

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