Strada Transilvaniei, nr. 6, sector 1, București, ROMÂNIA
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DISCIPLINE SHEET
Academic year 2025-2026

1. About the program

1.1 Higher education institution	University of Bucharest
1.2 Faculty	Faculty of Interdisciplinary Studies
1.3 Department	Interdisciplinary School of Doctoral Studies – ISDS-UB
1.4 Field of study	-
1.5 Study cycle	Doctorate
1.6 Study program / Qualification	***Broad Interdisciplinarity***

2. About the discipline

2.1 Name of the discipline				***Cognitive science***			
2.2 Holder of the course				**Prof. univ. dr. Ioana Podina & Lect. univ. dr. Simona A. Pascal**			
2.3 Holder of the seminar				**Prof. univ. dr. Ioana Podina & Lect. univ. dr. Simona A. Pascal**			
2.4 Study year	1	2.5 Semester	2	2.6 Evaluation type	E	2.7 Discipline regime	

3. Total estimated time

3.1 Number of weekly hours		3.2 out of which course:		3.3 seminar/laboratory	
3.4 Total hours in the curriculum	12	3.5 out of which course:	6	3.6 seminar/laboratory	6

Distribution of time:	**hours**
Study according to the textbook, course material, bibliography and notes	45
Additional documentation in the library, on specialized electronic platforms and in the field	40
Preparation of seminars/laboratory, assignments, papers, portfolios and essays	45
Tutoring	3
Examinations	2
Others: time allocated for presentations	3

3.7. Total hours of individual study	**138**
3.8. Total hours per semester	**150**
3.9. Number of credits	**6**

4. Preconditions (where applicable)

4.1 curriculum	
4.2 skills	

5. Conditions (where applicable)

5.1 course delivery	Room with multimedia equipment (video projector, smart board)
5.2 conducting the seminar/laboratory	

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6. Learning outcomes

Knowledge	LO1. Demonstrate broad knowledge and deep understanding of the research field in general and up-to-date specialised knowledge in a narrow area of this field; LO2. Demonstrate broad relevant knowledge in related areas of research that are connected to the main chosen research field; LO3. Demonstrate familiarity with research methodology in the research field and related areas and specific methods in the main research field.
Skills	LO1. Demonstrate the ability to complete the independent research process within given time frames: a) Review and place the research issue (question/problem/performance practice) in relation to the existing literature; b) Select appropriate research methodology and methods from the wide variety of approaches; c) Identify, locate, and collect sufficient body of evidence/data; d) Analyse and interpret findings/evidence; e) Draw appropriate conclusions; write about research in the field using clear and effective written expression of evidence-based analytical reasoning and successfully defend the research in front of a panel of experts; LO2. Demonstrate the capacity for analysis of gaps in existing scholarship in the field and identify an original question/problem for study worthy of peer-review/examination.
Responsibility and autonomy	LO1. Reflect on and evaluate the research process constantly and revise as needed; LO2. Demonstrate through a thesis the ability to make a significant contribution to creating new knowledge through their own research; LO3. Demonstrate the capacity to identify the need for further knowledge; LO4. Demonstrate ability to learn, adapt and work in varied interdisciplinary and multi-national environments so as to analyse findings and perspectives found in other disciplines that contribute to greater understanding in their field.

7. Contents

8.1 Course	**Methods**	**Observations**
1. Cognitive errors and errors of judgment	Lecture, explanation, conversation	1 hour
2. Critical thinking and pseudoscience	Lecture, explanation, conversation	1 hour
3. Critical thinking and analysis of fake news	Lecture, explanation, conversation	1 hour
4. Irrational thinking and behaviour	Lecture, explanation, conversation	1 hour
5. Rational thinking versus intuition	Lecture, explanation, conversation	1 hour

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6. Decision making	Lecture, explanation, conversation	1 hour

References:

- Dunham, Y. (2018). Mere membership. *Trends in Cognitive Sciences*, *22*(9), 780-793. DOI: 10.1016/j.tics.2018.06.004
- Mudrik, L., Arie, I. G., Amir, Y., Shir, Y., Hieronymi, P., Maoz, U., ... & Roskies, A. (2022). Free will without consciousness?. *Trends in Cognitive Sciences*, *26*(7), 555-566. DOI: 10.1016/j.tics.2022.03.005
- Pennycook, G., & Rand, D. G. (2021). The psychology of fake news. *Trends in Cognitive Sciences*, *25*(5), 388-402. DOI: 10.1016/j.tics.2021.02.007

8.2 Seminar / laboratory	**Methods**	**Observations**
1. Cognitive errors and errors of judgment	Conversation, case studies, guided discovery, demonstrative example	1 hour
2. Critical thinking and pseudoscience	Conversation, case studies, guided discovery, demonstrative example	1 hour
3. Critical thinking and analysis of fake news	Conversation, case studies, guided discovery, demonstrative example	1 hour
4. Irrational thinking and behaviour	Conversation, case studies, guided discovery, demonstrative example	1 hour
5. Rational thinking versus intuition	Conversation, case studies, guided discovery, demonstrative example	1 hour
6. Decision making	Conversation, case studies, guided discovery, demonstrative example	1 hour

References:

- Dunham, Y. (2018). Mere membership. *Trends in Cognitive Sciences*, *22*(9), 780-793. DOI: 10.1016/j.tics.2018.06.004
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8. Correlating the content of the discipline with the expectations of representatives of the epistemic community, professional associations and representative employers in the field related to the program

The subject matter covers the major concepts relevant to the labour market and professional community standards.

9. Assessment

Type of activity	Assessment criteria	Evaluation methods	Weight in the final grade

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Course	Knowledge and application of the taught content	Final assessment of acquired knowledge in the form of portfolio presentations	100%
Seminar / laboratory	Assessment of practical skills		
Minimum performance standard	The minimum passing grade is 5.		

Fill in date:
16.10.2025

Holder of the course,
Prof. dr. Ioana Podină

Lect. dr. Simona Pascal

Director ISDS-UB,
Conf. Dr. Habil. Mihaela MATACHE