

BABEŞ-BOLYAI TUDOMÁNYEGYETEM BABEŞ-BOLYAI UNIVERSITÄT BABEŞ-BOLYAI UNIVERSITY TRADITIO ET EXCELLENTIA

UNIVERSITATEA BABEȘ-BOLYAI

Course syllabus

Academic year 2025-2026

1. Information about the program

1.1 Higher Education Institution	Babeş-Bolyai University
1.2 Faculty	History and Philosophy
1.3 Department	Philosophy
1.4 Field of study	Computer Science
1.5 Study level	Master
1.6 Programme of study/ Qualification	Artificial Intelligence for Connected Industries

2. Information about the discipline

2.1 Title	Fundamentals of humanistic education (Argumentation theory)					
2.2 Course holder		Lecturer Dr. Mihai Rusu				
2.3 Seminar holder						
2.4 Year of study	2.5 Semester	1	2.6. Type of assessment ¹	ME	2.7 Type of $module^2$	F

3. Total estimated time (teaching hours per semester)

3.1 No. of hours per week	2	3.2 of which for	2	3.3 of which for	0
_		course		seminar	
3.4 Total no. of hours in the curriculum	28	3.5 of which for	28	3.6 of which for	0
		course		seminar	
Time distribution:					Hours
Study by using handbook, reader, bibliography and course notes					17
Additional library/specialised online research, field research					8
Preparation of seminars/laboratories, hor	nework	, projects, portfolios	and essa	ys	15
Tutoring				-	5
Examinations				2	
Other activities:					
2.7 Total no. of hours for individual stud	x 7	17			

3.7 Total no. of hours for individual study	47
3.8 Total no. of hours per semester	75
3.9 No. of ETCS credit points	3

4. Prerequisites (where applicable)

4.1 of curriculum	✤ -
4.2 of competencies	✤ -

5. Conditions (where applicable)

5.1 For the development of the course	 Online course conducted through the MS Teams platform
5.2 For the development of the seminar/laboratory	*

 $^{^1}$ E - exam, ME - multi-term examinations, C - collocutional examination/assessment test 2 OB - core module, OP - elective module, F - extracurricular module



UNIVERSITATEA BABES-BOLYAI BABES-BOLYAI TUDOMÁNYEGYETEM BABES-BOLYAI UNIVERSITÄT BABES-BOLYAI UNIVERSITY traditio et excellentia

6. Specific skills acquired

Frowledge and understanding Evaluate the validity of arguments using the truth table method Construct rigorous proofs using natural deduction systems Evaluate the soundness of arguments Discern various types of reasoning Discern the logical structure of arguments/reasonings Identify hidden assumptions and/or premises in arguments and reasonings Explanation and interpretation Interpret arguments, ideas, theses, according to the principle of charity Explain key concepts and distinctions in the logical approach to arguments/reasonings Use truth tables to determine the validity of arguments/reasonings Use truth tables to determine the validity of arguments/reasonings Use truth tables to determine the validity of arguments/reasonings Use natural deduction systems to construct rigorous proofs Supplement precarious arguments/reasonings in order to become valid/sound Develop valid, sound, arguments in scientific writing Attitude Manifest a critical-thinking approach to discourses, ideas, theses, arguments, generally, to available information. Manifest a scientifically-oriented approach. Develop rigorous, sound, evidence-based arguments Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, pr	6. Specifi	c skills acquired			
 Evaluate the validity of arguments using the truth table method Construct rigorous proofs using natural deduction systems Evaluate the soundness of arguments Discern various types of reasoning Discern the logical structure of arguments/reasonings Identify hidden assumptions and/or premises in arguments and reasonings Explanation and interpretation Interpret arguments, ideas, theses, according to the principle of charity Explain key concepts and distinctions in the logical approach to arguments/reasonings Instrumental - applicative Use semantic/analytic tableaux to determine the validity of arguments/reasonings Use truth tables to determine the validity of arguments/reasonings Use natural deduction systems to construct rigorous proofs Supplement precarious arguments/reasonings in order to become valid/sound Develop valid, sound, arguments in scientific writing Attitude Manifest a critical-thinking approach to discourses, ideas, theses, arguments, generally, to available information. Manifest a scientifically-oriented approach. Povelop rigorous, sound, evidence-based arguments Identify fallacies and biases in scientific/veryday discourses Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner<					
 Construct rigorous proofs using natural deduction systems Evaluate the soundness of arguments Discern the logical structure of arguments/reasonings Identify hidden assumptions and/or premises in arguments and reasonings Identify hidden assumptions and/or premises in arguments and reasonings Explanation and interpretation Interpret arguments, ideas, theses, according to the principle of charity Explanation and interpretation Interpret arguments, ideas, theses, according to the principle of charity Explain key concepts and distinctions in the logical approach to arguments/reasoning Instrumental - applicative Use semantic/analytic tableaux to determine the validity of arguments/reasonings Use natural deduction systems to construct rigorous proofs Supplement precarious arguments/reasonings in order to become valid/sound Develop valid, sound, arguments in scientific writing Attitude Manifest a critical-thinking approach to discourses, ideas, theses, arguments, generally, to available information. Manifest a an analytical-thinking approach to problems, puzzles, etc. Manifest a scientifically-oriented approach. Develop rigorous, sound, evidence-based arguments Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information i		 Evaluate the validity of arguments using semantic/analytic tableaux 			
 Evaluate the soundness of arguments Discern various types of reasoning Discern the logical structure of arguments/reasonings Identify hidden assumptions and/or premises in arguments and reasonings Explanation and interpretation Interpret arguments, ideas, theses, according to the principle of charity Explain key concepts and distinctions in the logical approach to arguments/reasonings Instrumental - applicative Use semantic/analytic tableaux to determine the validity of arguments/reasonings Use ruth tables to determine the validity of arguments/reasonings Use natural deduction systems to construct rigorous proofs Supplement precarious arguments/reasonings in order to become valid/sound Develop valid, sound, arguments in scientific writing Attitude Manifest a critical-thinking approach to discourses, ideas, theses, arguments, generally, to available information. Manifest an analytical-thinking approach to problems, puzzles, etc. Manifest a scientifically-oriented approach. Develop rigorous, sound, evidence-based arguments Identify fallacies and biases in scientific/everyday discourses Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner 		 Evaluate the validity of arguments using the truth table method 			
 Discern various types of reasoning Discern the logical structure of arguments/reasonings Identify hidden assumptions and/or premises in arguments and reasonings Explanation and interpretation Interpret arguments, ideas, theses, according to the principle of charity Explain key concepts and distinctions in the logical approach to arguments/reasoning Instrumental - applicative Use semantic/analytic tableaux to determine the validity of arguments/reasonings Use semantic/analytic tableaux to determine the validity of arguments/reasonings Use natural deduction systems to construct rigorous proofs Supplement precarious arguments/reasonings in order to become valid/sound Develop valid, sound, arguments in scientific writing Attitude Manifest a critical-thinking approach to discourses, ideas, theses, arguments, generally, to available information. Manifest an analytical-thinking approach to problems, puzzles, etc. Manifest a scientifically-oriented approach. Develop rigorous, sound, evidence-based arguments Identify fallacies and biases in scientific/everyday discourses Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner 					
 Discern the logical structure of arguments/reasonings Identify hidden assumptions and/or premises in arguments and reasonings Explanation and interpretation Interpret arguments, ideas, theses, according to the principle of charity Explain key concepts and distinctions in the logical approach to arguments/reasoning Instrumental - applicative Use semantic/analytic tableaux to determine the validity of arguments/reasonings Use ruth tables to determine the validity of arguments/reasonings Use natural deduction systems to construct rigorous proofs Supplement precarious arguments/reasonings in order to become valid/sound Develop valid, sound, arguments in scientific writing Attitude Manifest a critical-thinking approach to discourses, ideas, theses, arguments, generally, to available information. Manifest a scientifically-oriented approach. Develop rigorous, sound, evidence-based arguments Identify fallacies and biases in scientific/everyday discourses Identify fallacies and biases in scientific/everyday discourses Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner 		 Evaluate the soundness of arguments 			
 Identify hidden assumptions and/or premises in arguments and reasonings Explanation and interpretation Interpret arguments, ideas, theses, according to the principle of charity Explain key concepts and distinctions in the logical approach to arguments/reasoning Instrumental - applicative Use semantic/analytic tableaux to determine the validity of arguments/reasonings Use truth tables to determine the validity of arguments/reasonings Use natural deduction systems to construct rigorous proofs Supplement precarious arguments/reasonings in order to become valid/sound Develop valid, sound, arguments in scientific writing Attitude Manifest a critical-thinking approach to discourses, ideas, theses, arguments, generally, to available information. Manifest a scientifically-oriented approach. Develop rigorous, sound, evidence-based arguments Identify fallacies and biases in scientific/everyday discourses Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner 		 Discern various types of reasoning 			
Image: Second		 Discern the logical structure of arguments/reasonings 			
 Interpret arguments, ideas, theses, according to the principle of charity Explain key concepts and distinctions in the logical approach to arguments/reasoning Instrumental - applicative Use semantic/analytic tableaux to determine the validity of arguments/reasonings Use truth tables to determine the validity of arguments/reasonings Use natural deduction systems to construct rigorous proofs Supplement precarious arguments/reasonings in order to become valid/sound Develop valid, sound, arguments in scientific writing Attitude Manifest a critical-thinking approach to discourses, ideas, theses, arguments, generally, to available information. Manifest an analytical-thinking approach to problems, puzzles, etc. Manifest a scientifically-oriented approach. Develop rigorous, sound, evidence-based arguments Identify fallacies and biases in scientific/everyday discourses Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner 		 Identify hidden assumptions and/or premises in arguments and reasonings 			
 Explain key concepts and distinctions in the logical approach to arguments/reasoning Instrumental - applicative Use semantic/analytic tableaux to determine the validity of arguments/reasonings Use truth tables to determine the validity of arguments/reasonings Use natural deduction systems to construct rigorous proofs Supplement precarious arguments/reasonings in order to become valid/sound Develop valid, sound, arguments in scientific writing Attitude Manifest a critical-thinking approach to discourses, ideas, theses, arguments, generally, to available information. Manifest an analytical-thinking approach to problems, puzzles, etc. Manifest a scientifically-oriented approach. Develop rigorous, sound, evidence-based arguments Identify fallacies and biases in scientific/everyday discourses Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking approach to discourses, ideas, arguments, problems 		Explanation and interpretation			
Instrumental - applicative Use semantic/analytic tableaux to determine the validity of arguments/reasonings Use truth tables to determine the validity of arguments/reasonings Use natural deduction systems to construct rigorous proofs Supplement precarious arguments/reasonings in order to become valid/sound Develop valid, sound, arguments in scientific writing Attitude Manifest a critical-thinking approach to discourses, ideas, theses, arguments, generally, to available information. Manifest an analytical-thinking approach to problems, puzzles, etc. Manifest a scientifically-oriented approach. Develop rigorous, sound, evidence-based arguments Identify fallacies and biases in scientific/everyday discourses Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner 		 Interpret arguments, ideas, theses, according to the principle of charity 			
 Use semantic/analytic tableaux to determine the validity of arguments/reasonings Use truth tables to determine the validity of arguments/reasonings Use natural deduction systems to construct rigorous proofs Supplement precarious arguments/reasonings in order to become valid/sound Develop valid, sound, arguments in scientific writing Attitude Manifest a critical-thinking approach to discourses, ideas, theses, arguments, generally, to available information. Manifest an analytical-thinking approach to problems, puzzles, etc. Manifest a scientifically-oriented approach. Develop rigorous, sound, evidence-based arguments Identify fallacies and biases in scientific/everyday discourses Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner 		• Explain key concepts and distinctions in the logical approach to arguments/reasoning			
 Use truth tables to determine the validity of arguments/reasonings Use natural deduction systems to construct rigorous proofs Supplement precarious arguments/reasonings in order to become valid/sound Develop valid, sound, arguments in scientific writing Attitude Manifest a critical-thinking approach to discourses, ideas, theses, arguments, generally, to available information. Manifest an analytical-thinking approach to problems, puzzles, etc. Manifest a scientifically-oriented approach. Develop rigorous, sound, evidence-based arguments Identify fallacies and biases in scientific/everyday discourses Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner 		Instrumental - applicative			
 Use natural deduction systems to construct rigorous proofs Supplement precarious arguments/reasonings in order to become valid/sound Develop valid, sound, arguments in scientific writing Attitude Manifest a critical-thinking approach to discourses, ideas, theses, arguments, generally, to available information. Manifest an analytical-thinking approach to problems, puzzles, etc. Manifest a scientifically-oriented approach. Develop rigorous, sound, evidence-based arguments Identify fallacies and biases in scientific/everyday discourses Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner 		 Use semantic/analytic tableaux to determine the validity of arguments/reasonings 			
 Supplement precarious arguments/reasonings in order to become valid/sound Develop valid, sound, arguments in scientific writing Attitude Manifest a critical-thinking approach to discourses, ideas, theses, arguments, generally, to available information. Manifest an analytical-thinking approach to problems, puzzles, etc. Manifest a scientifically-oriented approach. Develop rigorous, sound, evidence-based arguments Identify fallacies and biases in scientific/everyday discourses Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner 		 Use truth tables to determine the validity of arguments/reasonings 			
 Develop valid, sound, arguments in scientific writing Attitude Manifest a critical-thinking approach to discourses, ideas, theses, arguments, generally, to available information. Manifest an analytical-thinking approach to problems, puzzles, etc. Manifest a scientifically-oriented approach. Develop rigorous, sound, evidence-based arguments Identify fallacies and biases in scientific/everyday discourses Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner 		 Use natural deduction systems to construct rigorous proofs 			
Image: Structure information in a sound logical manner		 Supplement precarious arguments/reasonings in order to become valid/sound 			
 Manifest a scientifically-oriented approach. Develop rigorous, sound, evidence-based arguments Identify fallacies and biases in scientific/everyday discourses Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner 		 Develop valid, sound, arguments in scientific writing 			
 Manifest a scientifically-oriented approach. Develop rigorous, sound, evidence-based arguments Identify fallacies and biases in scientific/everyday discourses Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner 	nal	Attitude			
 Manifest a scientifically-oriented approach. Develop rigorous, sound, evidence-based arguments Identify fallacies and biases in scientific/everyday discourses Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner 	ioi	♦ Manifest a critical-thinking approach to discourses, ideas, theses, arguments, generally			
 Manifest a scientifically-oriented approach. Develop rigorous, sound, evidence-based arguments Identify fallacies and biases in scientific/everyday discourses Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner 	fess Ils	to available information.			
 Manifest a scientifically-oriented approach. Develop rigorous, sound, evidence-based arguments Identify fallacies and biases in scientific/everyday discourses Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner 	^r ro škil	 Manifest an analytical-thinking approach to problems, puzzles, etc. 			
 Identify fallacies and biases in scientific/everyday discourses Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner 	Ц	 Manifest a scientifically-oriented approach. 			
 Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner 		 Develop rigorous, sound, evidence-based arguments 			
 Identify the logical joints, hidden assumptions, and premises of arguments Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner Communicate ideas and arguments eloquently and more effectively 	ls	 Identify fallacies and biases in scientific/everyday discourses 			
 Logically and critically evaluate arguments Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner Communicate ideas and arguments eloquently and more effectively 	ikil	 Identify the logical joints, hidden assumptions, and premises of arguments 			
 Asses the consistency of beliefs, ideas, theses, and premises Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner Communicate ideas and arguments eloquently and more effectively 	ry s	 Logically and critically evaluate arguments 			
 Use a critical thinking approach to discourses, ideas, arguments, problems Develop analytic thinking skills Structure information in a sound logical manner Communicate ideas and arguments eloquently and more effectively 	ina	✤ Asses the consistency of beliefs, ideas, theses, and premises			
 Develop analytic thinking skills Structure information in a sound logical manner Communicate ideas and arguments eloquently and more effectively 	ipli				
 Structure information in a sound logical manner Communicate ideas and arguments eloquently and more effectively 	lisc				
E Communicate ideas and arguments eloquently and more effectively	terc				
	In				

7. Course objectives (based on list of acquired skills)

7.1 General objective	 Familiarize students with the formal and informal procedures for
	evaluating arguments.
	 Familiarize students with logical and cognitive approaches to
	reasoning.
	-



UNIVERSITATEA BABEȘ-BOLYAI BABEȘ-BOLYAI TUDOMÂNYEGYETEM BABEȘ-BOLYAI UNIVERSITÄT BABEȘ-BOLYAI UNIVERSITY traditio et excellentia

*	Present traditional, truth table-based, and state of the art (semantic/analytic tableaux) proof procedures for testing the validity of arguments/the consistency of propositions/beliefs, and automated reasoning software based on semantic/analytic tableaux. Present a version of natural deduction for propositional logic and proof assistants for natural deduction. Classify and present criteria for evaluating reasonings. Classify and identify logical fallacies. Classify and identify reasoning/cognitive biases.
---	--

<u>Co</u>	urse	Teaching methods	Observations
1.	Identifying arguments. The general structure of arguments. Argument evaluation: basic concepts and distinctions. <i>Keywords</i> : premises, conclusion, premise indicators, conclusion indicators, semantic and structural ambiguities, truth values.	Presentation, conceptual clarifications.	
2.	Types of reasoning. Applications. <i>Keywords</i> : deductive reasoning, inductive reasoning, abductive reasoning.	Presentation, knowledge synthesis, conceptual clarification, practical activities, group activities, guided discovery.	
3.	Modeling arguments: fundamental distinctions. <i>Keywords</i> : serial arguments, convergent arguments, divergent arguments.	Presentation, knowledge synthesis, conceptual clarifications.	
4.	Nuts and bolts of propositional logic. <i>Keywords</i> : sentences, propositions, atomic sentences, compound sentences, logical connectives, regimenting sentences in propositional logic, regimenting arguments in propositional logic	Presentation, knowledge synthesis, conceptual clarifications, practical activities, group activities, guided discovery.	
5.	Modeling arguments in propositional logic. Applications. <i>Keywords</i> : truth tables, semantic tableaux rules/analytic tableaux rules, validity tests.	Presentation, knowledge synthesis, conceptual clarifications, practical activities.	



UNIVERSITATEA BABES-BOLYAI BABES-BOLYAI TUDOMÁNYEGYETEM BABES-BOLYAI UNIVERSITÄT BABES-BOLYAI UNIVERSITY traditio et excellentia

14.	Review of the topics. Significance and relevance.	Debate, interactive teaching.	
	<i>Keywords</i> : manipulation in social- media, the rhetoric of advertising, etc.	activities.	
13.	manipulation. Applications.	clarifications, practical	
13	metaphor, irony, analogy, anaphora, apophasis, diasyrmus, etc. Contemporary techniques of	Presentation, conceptual	
12.	effects. Applications. <i>Keywords</i> : rhetorical question,	clarifications, practical activities.	
12	invention/discovery, arrangement, style, memory, delivery, ēthos, pathos, logos. Traditional rhetorical devices and	Presentation, conceptual	
	epideictic/display rhetoric, deliberative rhetoric,	guided discovery.	
	cannons. The appeals. Case studies. <i>Keywords</i> : forensic/judicial rhetoric,	clarifications, practical activities, group activities,	
11.	The branches of rhetoric. The	guided discovery. Presentation, conceptual	
	<i>Keywords</i> : confirmation bias, availability bias, etc.	clarifications, practical activities, group activities,	
10.	Biases in research.	Presentation, conceptual	
	apophenia etc.	activities, group activities, guided discovery.	
9.	Biases in reasoning. Keywords: anchoring bias,	Presentation, conceptual clarifications, practical	
	correlation, spurious correlation, spurious causation, mediation, moderation.		
	Keywords: causal fallacies,	activities.	
8.	Logical fallacies: fallacies in causal reasoning.	Presentation, conceptual clarifications, practical	
	<i>Keywords</i> : formal and informal fallacies, fallacies of relevance.	activities.	
	relevance.	clarifications, practical	
7.	Logical fallacies: fallacies of	Presentation, conceptual	
	validity tests.	activities, group activities, guided discovery.	
	propositional logic. Applications. <i>Keywords</i> : analytic tableaux rules,	synthesis, conceptual clarifications, practical	





Chaffee, J. (2018). Thinking Critically (12 ed.). Mason, OH: Cengage Learning.

Fischer, A. (2005). The Logic of Real Arguments. Cambridge, U.K.: Cambridge University Press.

Graeme, F. (1994). Modern Logic: A Text in Elementary Symbolic Logic. New York: Oxford University Press.

Hodges, W. (2001). Logic: An Introduction to Elementary Logic (2nd ed.). London, U.K.: Penguin.

Kahneman, D. (2011). Thinking, fast and slow. New York: Farrar, Straus, and Giroux.

Kahneman, D., Slovic, P., & Tversky, A. (Eds.). (1982). Judgment under Uncertainty: Heuristics and Biases. Cambridge: Cambridge University Pess.

Leith S. (2012) You Talkin' To Me? Rhetoric from Aristotle to Obama, London: Profile Books.

LePore, E. (2000). Meaning and Argument. An Introduction to Logic through Language. Oxford, Malden MA.: Blackwell.

Nolt, J., Varzi, A., & Rohatyn, D. (1998). Schaum's Outline of Theory and Problems of Logic (2nd ed.). New York: McGraw-Hill.

Smith, P. (2020). An Introduction to Formal Logic (2nd ed.). Cambridge University Press.

Stanley F. (2016) Winning Arguments: What Works and Doesn't Work in Politics, the Bedroom, the Courtroom, and the Classroom, New York: Harper.

Stanovich, K. E. (1999). Who is Rational? Studies of Individual Differences. Mahwah, NJ: Lawrence Erlbaum Associates.

Stenning, K. (2002). Seeing Reason: Image and Language in Learning to Think. Oxford: Oxford University Press.

Tindale, C. W. (2007). Fallacies and Argument Appraisal. Cambridge: Cambridge University Press.

Toulmin, S. (2003). The Uses of Argument. Cambridge, U.K: Cambridge University Press.

Toye, R. (2013). Rhetoric. A Very Short Introduction, Oxford: Oxford University Press.

Walton, D. (2006). Fundamentals of Critical Argumentation. Cambridge, U.K: Cambridge University Press.

8.2 Seminar/Laboratory	Teaching methods	Observations

9. The correspondence between the content of the course and the expectations of the academic community, professional associations and representative employers in the field:

The course develops analytic thinking skills coupled with a critical-thinking and scientifically-oriented approach to discourses, ideas, arguments, problems. The course also offers state of the art research skills that are transferable to any scientific and applied figld of knowledge



UNIVERSITATEA BABEȘ-BOLYAI BABEȘ-BOLYAI TUDOMÁNYEGYETEM BABEȘ-BOLYAI UNIVERSITĂT BABEȘ-BOLYAI UNIVERSITY traditio et excellentia

10. Assessment

Type of activity	10.1 Assessment criteria	10.2 Assessment methods	10.3 Percentage of the final grade
10.4 Course	Writing examinations (3 Multiple Choice Tests)	Evaluation of the tests	90
10.5 Seminar/			
Laboratory			
	<i>Ex officio</i> : 1 point		
10.6 Minimum sta	andard of performance		
For grade 5: obtain cumulatively 4 points at the examinations.		For grade 10: obtain cumulatively 9 points at the examinations.	

Date 16.09.2024	Course holder signature	Seminar holder signature
Date of departmental approval	Head of department sig	gnature