

„Alexandru Ioan Cuza” University from Iași
 Faculty of Philosophy and Social-Political Sciences
 Department of Philosophy
 Filed of studies: Humanities

DISCIPLINE CHART

NAME OF DISCIPLINE		LOGIC					CODE: D02	
CICLE OF STUDIES DE STUDII (L-BA/M-MA/D-Ph.D.) AND YEAR OF STUDIES 1, 2, 3, 4			L1	Semester	I	THE STATUS OF DISCIPLINE (OB-compulsory/OP-optional/F-facultative)		OB
NUMBER OF HOURS PER WEEK		TOTAL HOURS SEMESTER	TOTAL HOURS OF INDIVIDUAL ACTIVITY	NUMBERS OF CREDITS	TYPE OF EVALUATION (P-along the way, C-colloquium, E-exam, M-mixed)		TEACHING LANGUAGE	
C	S	L	Pr.					
2	2	0	0	56	94	5	M	romanian

HOLDER OF THE ACTIVITIES OF COURSE	DIDACTIC AND SCIENTIFIC DEGREE, FIRST NAME, SURNAME		DEPARTMENT
	ASSOC. PROF. DR. MELENTINA TOMA		Philosophy

HOLDER OF THE ACTIVITIES OF SEMINAR / PRACTIC WORK	DIDACTIC AND SCIENTIFIC DEGREE, FIRST NAME, SURNAME		DEPARTMENT
	ASSOC. PROF. DR. MELENTINA TOMA		Philosophy

PREVIOUSLY COMPLETED DISCIPLINES	—
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OBJECTIVES*	<p>1.Knowing the concepts, the sentences, the main types of reasoning, and the macro-logic structures; Knowing the main notions, sentences and judgments operations;</p> <p>2.Developing competence skills for proper use of operations wich train fundamental logic categories, notion and sentence;</p> <p>3.Developing competence skills for proper use of the syllogism and of interferences with molecular sentences.</p> <p>4.Developing competence skills for proper identification of logic errors in argumentation</p>
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SPECIFIC COMPETENCES GAINED

PROFESSIONAL COMPETENCES **	<p><i>Knowledge</i> :knowing the specific concept, sentence, inference, as a logical forms; knowing the demonstration /argumentation as macro-structure; Knowing to operate with concepts, of logical relationships between fundamental categories, of inference with sentences and molecular analysis; knowing the logical and extra-logical errors.</p> <p><i>Abilities: identifying</i>, in specific cases, the operations with notions of propositional structures, the structure and typology inferences; <i>redaction</i> of various types of inferences, after defined requirements, respecting logical rules; <i>the evaluation</i> in determined situations of different types of domain-specific</p>
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	arguments and <i>identifying</i> the logical errors; <i>identification and analysis</i> of logical errors in concrete situations (speech, other types of text).
TRANSVERSAL COMPETENCES	<ol style="list-style-type: none"> 1. Cooperation in solving some common professional issues through proper diagnosis of the situation and using logical and effective solving. 2. Applying work techniques effectively in a multidisciplinary team using the information and the logical skills acquired. 3. Self-evaluation of communication and of action, in accordance with the logical and training requirements in order to insert and adapted to the demands of social life.
CONTENT OF COURSE	<ol style="list-style-type: none"> 1. Logic as an <i>organon</i> and its evolution; Map of logic; 2. <i>Concept</i>: types of concepts; logical relationships between concepts; operating with concepts 3. <i>The sentence: the analyzed sentence</i> (structure, types, logical relationships between terms, logical relations between sentences, distribution of terms, formalizing in different languages); <i>unexamined sentence</i> (types, logical relationships, composed sentences, truth functions, connectors, interpretation the connectors through conjunction and disjunction, operations with sentences); 4. <i>Logical Structures</i>, dyads, triads, tetrads and hexads generated by logical relationships between fundamental categories (concepts, Aristotelian sentences, molecular sentences); 5. <i>The inference: immediate inference</i> with sentences analyzed through equivalence and also through the use of the relation from the logic square and hexagon ; immediate inferences with molecular sentences, through equivalence, as well as through relation from the logic square and hexagon; inferences mediated with analyzed sentences; <i>inferences mediated</i> with molecular sentences; 6. <i>The demonstration and the argumentation</i> 7. <i>The argumentation errors</i>
BIBLIOGRAPHY (SELECTIVE)	<p>Aristotle, <i>Organon</i>, I, II, Bucharest: Iri Publishing House, 1997;</p> <p>Botezatu Petre, <i>Introduction to Logic</i>, Volume 1 and 2, Iasi: Graphix Publishing House, 1994;</p> <p>Didilescu, Ion; Petre Botezatu, <i>Syllogistic. The classical theory and modern interpretations</i>, Bucharest: Didactic and Pedagogic Publishing House, 1975;</p> <p>Dumitriu, Anton, <i>History of Logic</i>, vol. I-IV, Bucharest: Scientific and Encyclopedic Publishing House, 1997;</p> <p>Enescu, George <i>Fundamentals of logical thinking</i>, Bucharest: Scientific and Encyclopedic Publishing House, 1989;</p> <p>Ioan, Petru, <i>Full logic</i>, Iasi: Ștefan Lupașcu Publishing House, 1999;</p> <p>Toma Melentina, <i>Errors of argument in the view of a Semiotic Typology</i>, Iasi: Stefan Lupașcu Publishing House, 2005.</p>
CONTENT OF THE WORKS OF SEMINAR / LABORATORY	<ol style="list-style-type: none"> 1. Operations with generic concepts, exercises; 2. Operations with collective concepts, exercises; 3. Operations with sentences, exercises; 4. Applications using structures generated by relations between fundamental logical categories; 5. Interpretation of sentences in different languages; 6. Immediate inferences with Aristotelian sentences, exercises; 7. Immediate inferences with molecular sentences, exercises;

	8. Inferences mediated with analyzed sentences, exercises; 9. Inferences mediated with molecular sentences, exercises; 10. Functors interpretation through conjunction, disjunction and negation; 11. Evaluation of the syllogistic inferences using different methods and identifying the errors; 12. Evaluation of molecular inferences by different methods and identifying the errors; 13. Identification of argumentation errors using texts from various fields.
BIBLIOGRAPHY (SELECTIVE)	Identical to the bibliography from the course
METHODOLOGICAL LANDMARKS ***	<i>Teaching strategies:</i> exposure, exercise, conversation, demonstration, text analysis; <i>Didactic materials:</i> seminar protocols; types of public texts specific to the field. <i>Resources:</i> works mentioned in bibliography.

EVALUATION	methods	On seminary, there will be used <i>systematic observation and the exercise</i> . The evaluation of the thematic teacher in the lectures will be as a 2 hours written test.
	forms	Formative evaluation on seminary, summative evaluation through exam; Oral and written evaluation, on the seminary; written evaluation on the exam.
	Weight of evaluation forms in the formula of final grade	<i>Final grade formula:</i> Evaluation of applications in the seminar, respectively evaluation through exam will each constitute 50% of the final grade. Ongoing evaluation at the seminar is given by : evaluation of doing home works and the evaluation of active presence.
	Minimal standards of performance ****	Knowing the logical forms and the rules for operating with them; Performing operations with the fundamental logical categories, respecting the technical standards; the composition of valid inferences, after specific data requirements; identify the types of inferences and evaluate them in concrete situations; identifying the logical errors in specialized texts and in public speeches; the realisation of a minimum of seven home works at the seminary.

10.10. 2016

Assoc. Prof.dr. Melentina Toma

Date of approval in department

Director of Department: Prof. dr. Petru Bejan