

„ 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.	56	94	6	M		romanian
2	2	0	0						
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		—							
OBJECTIVES*		1.Knowing the concepts, the sentences, the main types of reasoning, and the macro-logic structures; Knowing the main notions, sentences and judgments operations; 2.Developing competence skills for proper use of operations wich train fundamental logic categories, notion and sentence; 3.Developing competence skills for proper use of the syllogism and of interferences with molecular sentences. 4.Developing competence skills for proper identification of logic errors in argumentation							
		SPECIFIC COMPETENCES GAINED							
PROFESSIONAL COMPETENCES **		<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. <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							

	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. 2020

Assoc. Prof.dr. Melentina Toma

Date of approval in department

Director of Department: Prof. dr. Petru Bejan