1. Name of the subject (course unit)	2. Code
Logic	

3. Teacher(s)	4. Unit(s)
Coordinating teacher: Prof. Dr. Vytis Valatka	Creative Society and Economy Institute

5. Study cycle	6. Level of the subject	7. Type of the subject
	(course unit)	(course unit)
Bachelor	Course not devided into parts	Optional

8. Implementation form	9. Implementation period	10. Instruction language(s)
Full-time studies	1 semester	English

11. Requirements for the student		
Prerequisites: Associated requirements (if any):		
English language level B2	-	

12. Scope of the subject (course unit) in ECTS	13. Total student work load (hours)	14. Contact hours	15. Independent work hours
6	160	20	140

16. Purpose of the subject (course unit): competences sought to be developed by the study programme

To acquaint students with main concepts, ideas, theories, principles and methods of contemporary Logic and to reveal the role they play in cognition and everyday life; to develop students' abilities to reason clearly and correctly, to express their thoughts in precise and definite way, to substantiate properly their positions and propositions, to analyze and critically evaluate the argumentation of opponents.

17. The interrelation between the learning outcomes of the study programme with the projected results of the						
subject, and the methods of the assessment of the studies and the student achievements						
Results of the study subjects	Study methods	Methods for the assessment of the				
		achievements of the student				
Students will know fundamental	Lectures, seminars, group	Assessment of activity of students during				
logical criteria of rationality; they	discussions, solving of logical	seminars, test, written exam.				
will be able to formulate exactly	excercises of various types.					
their thoughts and positions.						
They will be able to present	Lectures, seminars, solving of	Assessment of activity of students during				
properly and demonstrate their	excercises of argumentation	seminars, assessment of argumentation of				
positions and propositions as well	theory, group discussions,	students applied in group discussions,				
as to analyze, interpret and	evaluation of one's own	written exam.				
critically evaluate arguments and	argumentation and that of					
reasons of opponents.	opponents in group discussions.					
Students will be able to formulate	Lectures, seminars, solving of	Assessment of activity of students during				
correct propositions and	excercises of Logic of classes and	seminars, test, written exam.				
definitions, to make well – formed	Propositional logic					
classifications, to form sound						
arguments and reasonings.						

18. Content of the subject									
	Con	ıtact h	ours a	and st	udyin	g met			ime and tasks of dependent studies
Themes	Lectures	Consultations	Seminars	Practical class	Laboratory classes	Practicums	Total contact hours	Independent work	Tasks
1. Logic and truth. Significance of Logic	1	-	1	-	-	-	2	12	Reading of manuals and other materials on Logic.
2. Logic and language. Natural and formal languages. Propositional calculus	3	_	3	_	-	-	6	24	Analysis of methods of formalization, truth tables, formal deduction etc., application of those methods to solving exercises.
3. Concepts. Logic of classes.	2	-	2		-	-	4	16	Analysis of methods of Logic of classes, solving of typical exercises of that logic.
4. Theory of argumentation. Argumentation and demonstration.	2	-	2	-	-	-	4	16	Studying of particularity of argumentation, its sorts and typical errors. Analysis and evaluation of various examples of argumentation.
	8	-	8	-	-	-	16	64	

19. Strategy and criteria for the evaluation of students					
Evaluation method	Percentage	Accounting time	Evaluation criteria		
Working in the classroom	20 %	Throughout the	2 points: a student actively participates in		
during the seminars		course	discussions, answers questions, formulates		
			questions and problems, actively and precisely		
			solves exercises, notices and defines errors made		
			by his/her colleagues;		
			1 point: a student takes part in discussions,		
			answers questions, solves exercises;		
			0 points: a student almost does not solve		
			exercises, does not answer questions or does not		
			participate in seminars.		
Test	30 %	In the middle of	The solution of exercises contained in test is		
		course	assessed according to criteria typical of each		
			given exercise.		
Written exam	50 %	After the course	The solution of exercises contained in exam is		
			assessed according to criteria typical of each		

	given exercise.

## 20. Sources of studies, reference lists

## Mandatory sources of studies, reference lists

- 1. Copi I.M., Cohen C. Introduction to Logic. Upper Saddle River (New Jersey): Pearson, Prentice Hall (12th edition), 2005
- 2. Herrick, P. W. Introduction to logic. New York (N.Y.): Oxford University Press, 2013
- 3. Klement K. C. Propositional logic: Internet Encyclopdia of Philosophy, http://www.iep.utm.edu/prop-log/

## Additional sources of studies, reference lists

- 1. Tomassi P. Logic. London, N.Y.: Routledge, 1999.
- 2. Walton D. N. What is reasoning? What is an argument? Journal of philosophy, vol. 87, 1990, p. 399-419, http://www.dougwalton.ca/papers%20in%20pdf/90reasoning.pdf
- 3. Weston A. A rulebook for arguments Indianapolis; Cambridge: Hackett. 2009.
- 4. http://www2.humboldt.edu/act/HTML/