Name of university, Name of faculty: Trnava University

Faculty of Philosophy and Arts

INFORMATION SHEET OF THE SUBJECT

Code: XFIb004	**Name:** Introduction to Critical Thinking and Logic	
Cover: Department of Philosophy		
Type of educational activity: Lecture, Seminar **Scope of educational activity (in hours):** **Weekly:** 2/1 **For term of study:** ZS 46,23 **Method of educational activity:** Combined	**Number of credits:** 6	**Recommended semester:** WT **Study grade:**

Recommended semester	Study programme
1.year WT	Philosophy (XFILO-Bc-D) Philosophy (XFILO-Bc-E)

Underlie subjects:

Conditions for passing the course:
Method of evaluation: Completion by taking an examination

Continuous evaluation: (0%)
Final evaluation: Written test (100%)
Finished: Written test (100%)

Learning outcomes:
Graduates are able to verify the validity of judgments of propositional and predicate logic, transcribe statements from natural language to propositional and predicate logic. They have basic understanding of propositional and predicate logic.

Schedule of subject:
What is logic? What is statement? Classical propositional logic and its principles.
Basic logical connectives, tables of truth values.
Logical reasoning and reasoning in propositional logic. Dictionary of language of propositional logic and definition of formula of language of propositional logic.
Basic and derived rules of sound reasoning in propositional logic.
What is predicate logic (PL)? Predicates in the PL. Individuals, individual variables and quantifiers in PL.
Language and metalanguage. Dictionary of PL. Grammar of PL.
Language of first order predicate logic.
Basic and derived rules and laws of logical inference in PL.
Transcript of statements from ordinary language into PL. Proofs in PL.
Language and logically possible world. Extension and intension.
Semantics.
Questions and Answers: truthfulness, semantic accuracy and meaningfulness. Presupposition of question.

Recommended reading:
Basic reading:
GAHÉR, F. : Logika pre každého. Bratislava : IRIS, 2003 (3. doplnené vydanie). Chapters 3-8.

Recommended reading:
CMOREJ, P.: Úvod do logickej syntaxe a sémantiky. Bratislava : IRIS, 2001.
MATHÉ, S.: Moderná logika. IRIS, 2011.
PEREGRIN, J.: Kapitoly z analytické filosofie. Praha : Filosofia, 2005.
PEREGRIN, J.: Logika a logiky. Praha: Academia, 2004.
SOUSEDÍK, P.: Logika pro studenty humanitních oborů. Praha : Vyšehrad, 2001 (2. rozšírené vydanie).
ZOUHAR, M.: Základy logiky pre spoločenskovedné a humanitné odbory. Bratislava: Veda, 2008.

Language requirements: Slovak, English

Notes:

Course evaluation:
Assessed students in total: 342

A	B	C	D	E	FX
25%	7%	12%	11%	16%	29%

Lecturers:

Date of last change: 01.09.2026
Approved by: prof. Mgr. Peter Šajda, PhD.