SYLLABUS

1. Course title:

Logic

2. Code:

3. Cycle of study:

1

4. ECTS credits:

7

5. Type of course:

⦿ Mandatory   ◯ Elective

6. Prerequisites:

7. Class restrictions:

8. Duration / semester:

1   2

9. Weekly contact hours:

9.1. Lectures: | 3

9.2. Seminars: | 2

9.3. Laboratory/Practice classes: | 0

10. Faculty:

Faculty of Humanities and Social Sciences

11. Department/study program:

PHILOSOPHY-SOCIOLOGY

12. Lecturer:

Šefket Krcić, PhD, Full Professor

13. Lecturer's e-mail:

dr.s.krcic@uninp.edu.rs

14. Web site:

www.ff.untz.ba

15. Course aims:

The goal of "Logic" is to get acquainted with the foundational discoveries through its historical development. How Logic represents discipline which is required in every other science, using foundational models, deductive and inductive logics in methodology of social sciences has proven significant; which proves the necessity of logic in scientific research. Through the analysis of arguments, getting acquainted with logical mistakes, and getting acquainted with fundamental logical questions, students will be acquainted with the analysis of arguments, the ways of setting a premise, and the possibilities of successfully deciphering them. By observing the development of logic from the time of Aristotel to modern age, students will be acquainted with the transformations of logical questions and problems.

16. Learning outcomes:

After the course, successful student will be able to independently, through analytical and synthetic reflection on acquired knowledge, analyze arguments, to see coherent and consistent use of logic in bought scientific and every day life.

17. Course content:

Introduction to the field of Logic in the context of philosophical disciplines. The formation and the definition of logic as a philosophical discipline. Introduction to logical speech. Problem definition, Logical foundation of science, Aristotel as the founder of logic. Aristotels classifications and logic outside the regular system, Aristotels logic - with a special look on the Organon, Deduction, Aristotels categories; perfect logic, Ontological foundation of logic, Introduction to formal logic, An observation of the mathematical and symbolic logic, the contributions of the Arabic philosophers in the development of logic, Fundamental logical questions: term – court – conclusion and the mistakes in conclusions, Kvants principals in logical opinions, Hegels logic, Huserls logic, Rasels contributions to logic, The logical thought of the Yugoslav peoples, contemporary logical though and the structure of the contemporary sciences.

18. Learning methods:

Lectures, practices, method analysis, synthesis, inductive, deductive methods, abstraction method .

19. Assessment methods:

Checking is conducted vie written and oral exams. Written exam incudes questions and answers from the materials of the subject in question. Written exam is held at the end of semester, while the oral exam is held at the appointed time. The final grade is formed by adding points from written and oral exams, as well as the presentation of essay and the points gained from attending class.

20. Assessment components:

Presence and activity in the class:

- presence in lectures and exercises	10
- activity on the classes	10
- seminary paper defended	10
Written exam:	20
Oral exam:	50
Total points:	100

SYSTEM OF EVALUATION:

 number of points: from 94-100=10, from 84-93=9, from 74-83=8, from 64-73=7, from 54-63=6, from 0 to 53=5

21. Required reading list:

1. Mirko Jakić:Logika,Školska knjiga,Zagreb, 1998.

2. Petrović, G.: „Logika", Zagreb, 1992.

3. Šešić, B.: „Osnovi logike", Beograd, 1985.

4. Krcić, Š.: „Uvođenje u logiku" (priručnik sa održanih predavanja), 2016.

5. Filipović, M.: „Filozofija, jezik – logika", Sarajevo, 2004.

6. Knjazev, S.: „Logika", Beograd, 1995.

7. Ibrulj, N., „Filozofija logike, Sarajevo publishing, 1999

8. TARSKI.A.,Uvod u matematičku logiku i metodol. matematike,Rad, Beograd 1979. PRIOR, A.,Historija logike, Naprijed,Zagreb 1970.

9. ĆIROVIĆ, B., Uvod u matematičku logiku i teoriju rekurzivnih funkcija, FTI, Zagreb 1996.

10. WITTGENSTEIN, L., Tractatus Logico-Philosophicus, Moderna vremena, Zagreb 2003.

22. Web sources:

(max. 687 characters)

23. Applicable starting from the academic year:

2017/18

24. Adopted in the Faculty/Academy session:

(max. 10 char.)