Logic I / 2016-2017

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Syllabus

1. Natural language and formal language. Basic notions on formal languages. Language and metalanguage: use and mention. Semantics and Calculus. From formal languages to formal systems. Formal propositional logic and formal first order predicate logic. Logic and metalogic. Validity and demonstration. Semantic consequence and syntactic consequence.


Methodology

The whole syllabus will be taught by the teachers. Some sessions will be devoted to the discussion of the following text, which must be previously studied by all students:


In the teaching hours for exercises in the room solutions will be given to the exercises in the Notebook, which will be distributed at the beginning of the course, and also to the exercises given by the teachers at the end of each topic.

Evaluation/Grading

Students will be graded on the basis of three components: 50% for the final written examination, which will be composed by exercises, theoretical questions and discussion of one short text from Haack’s book (10-12); 40% for the exercises in the Notebook; 10% for the discussion on Haack’s book.

ATTENDANCE is compulsory.

Bibliography

Basic books:


Further study:


**Journals and web sites:**

1. *Journal of Philosophical Logic*.
3. *History and Philosophy of Logic*.
5. *Journal of Applied Logic*.

http://plato.stanford.edu

http://www.iep.utm.edu