

International Masterclass

The Concept of Logical Consequence

Dr. Sebastian Speitel (University of Bonn)

When: Monday 29 — Wednesday 31 May 2023

Where: Sala Rossa, via Azzo Gardino 23

DAY 1 — Monday 29 May 15:00-18:30

Topic 1: The Model-Theoretic Definition of Logical Consequence

- Introduction to and elaboration of Tarski's model-theoretic definition of logical consequence and the concept of truth for formalised languages on which it relies.
- Philosophical issues pertaining to the underlying model-theoretic apparatus and the adequacy of the model-theoretic notion of logical consequence based on it.

DAY 2 — Tuesday 30 May 09:30-13:00

Topic 2: The Demarcation Problem of the Logical Constants

- The demarcation problem of the logical constants in the context of the model-theoretic definition of logical consequence.
- Invariantist approaches to the issue and their shortcomings.

DAY 3 — Wednesday 31 May 09:30-13:00

Topic 3: The Bounds of Logic

- Philosophically relevant aspects of the development of the first-order predicate calculus, its status and philosophical significance.
- A selective survey of alternatives, rivals and enrichments together with their motivations and (alleged) flaws.

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