

Curtis Franks

Department of Philosophy
The University of Notre Dame
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Academic positions

Assistant Professor of Philosophy
The University of Notre Dame Department of Philosophy
Notre Dame, Indiana. Fall 2006 - present

Areas of specialization

- philosophy of mathematics and of logic
- mathematical logic and proof theory
- Hilbert, Gödel, Herbrand, Frege, Gentzen, Skolem

Education

University of California, Irvine
Department of Logic and Philosophy of Science
Dissertation directed by Aldo Antonelli
PhD. June 2006

William Marsh Rice University. Houston, Texas
B. A. in mathematics and philosophy, *magna cum laude* 2000

Research

My current research emphasis covers three areas:

- the interpretation of research programs in the foundations of mathematics in the early 20th Century
- the arithmetization of metatheoretic properties for weak theories of arithmetic and the logical relationships among these properties
- the explication of the epistemological structure and philosophical aims of foundational programs generally

Teaching

I have two principal pedagogical interests:

- intermediate logic courses that prepare students who already have a background in formal logic for advanced study
- philosophical debates on the foundations of the formal sciences

At the advanced level I teach courses in proof theory of arithmetic, classical recursion theory, and the philosophy of mathematics and logic.

Recent Courses

- Gödel's Theorems Seminar
- Intermediate Graduate Logic
- Knowledge and Mind
- The Nature of Obligation

Distinctions and fellowships

- University of California Regents Dissertation Writing Fellowship, 2005
- Member of Phi Beta Kappa
- Hubert E. Bray Prize in Mathematics (recognizing the outstanding mathematics student at Rice University), 1999

Recent activity

Mathematics Speaks for Itself forthcoming book from Cambridge U. Press

“Interpreting Gödel’s second incompleteness theorem for Q ” at the Notre Dame Mathematics Department Logic Colloquium 2007

“David Hilbert as an epistemological naturalist” at the GAP.6 Workshop *Towards a New Epistemology of Mathematics*, Berlin 2006

“The Giuoco Peano” at the Sixth Midwest Philosophy of Mathematics Workshop, 2005