

January 2017

Curtis Franks

Department of Philosophy
The University of Notre Dame
cfranks@nd.edu, (574)631-5049

Academic positions

- Associate Professor of Philosophy
College of Arts and Letters
University of Notre Dame, 2013 – present
- Assistant Professor of Philosophy
College of Arts and Letters
The University of Notre Dame, 2006 – 2013

Administrative positions

- Department of Philosophy
Director of Graduate Studies
University of Notre Dame, 2014 – present
- Editorial Board
Notre Dame Journal of Formal Logic
2013 – present

Areas of research

- history and philosophy of logic
- philosophy of mathematics
- proof theory
- Wittgenstein

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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

Professional memberships

- Association of Symbolic Logic
- American Philosophical Association

Published writing

ESSAYS

1. “The Gödelian inferences,” *History and Philosophy of Logic* **30**(3), 2009, 241–256.
2. “Cut as consequence,” *History and Philosophy of Logic* **31**(4), 2010, 349–379.
3. “Stanley Tennenbaum’s Socrates,” in J. Kennedy and R. Kossak (eds.) *Set Theory, Arithmetic, and Foundations of Mathematics: Theorems, Philosophies*. Cambridge University Press. 2011.
4. “The realm of the sacred, wherein we may not draw an inference from something which itself has been inferred,” *History and Philosophy of Logic* **33**(1), 2012, 69–86.
5. “Logical completeness, form, and content: an archaeology,” in J. Kennedy (ed.) *Interpreting Gödel: Critical Essays*. Cambridge University Press. 2014.
6. “Logical nihilism,” in P. Rush (ed.) *The Metaphysics of Logic*. Cambridge University Press. 2014.
Reprinted in A. Hirvonen, J. Kontinen, R. Kossak, A. Villaveces (eds.), *Logic Without Borders*. de Gruyter. 2015.
7. “David Hilbert’s contributions to logical theory,” in A. P. Malpass and M. Antonutti-Marfori (eds.), *The History of Philosophical and Formal Logic*. Bloomsbury. 2017.
8. “Constructing the simples,” in P. Ordning and R. Kossak (eds.), *Simplicity: Ideals of Practice in Mathematics & the Arts*. Springer. 2017.

BOOKS

1. *The Autonomy of Mathematical Knowledge: Hilbert’s Program Revisited*. Cambridge University Press. 2009. 232 pgs.

Invited lectures

1. “Logical completeness: the very idea” (five 90 minute lectures) *Scandinavian Logic Society and Association of Symbolic Logic Summer School*. Helsinki. 2015.
2. “The complexity of simplicity” *Simplicity: Ideals of Practice in Mathematics and the Arts*, New York City 2013.
3. “An ancient sub-structural logic” CUNY logic seminar, (computer science department) 2012.
4. “Gödel’s last thought on Gentzen’s consistency proof” CUNY logic seminar, (mathematics department) 2012.
5. “Sacred inference” 25th Bar-Hillel lectures, Jerusalem 2011.
6. “What set theory and category theory can teach an anti-foundationalist” Philmath Intersem, Paris 2010.

Current projects

- *Logical Completeness from Aristotle to Henkin*, a monograph presenting an extension of the accounts and results found in essays [2], [5], and [7]
- “Structural completions of sub-structural logics,” a research project establishing sufficient conditions for the admissible closure of a logical system to be structurally complete.
- “The context of inference,” an expository essay situating the results from the above project in a generalized setting in which admissibility, derivability, and related properties are algebraically linked.
- “Two unappreciated passages in Brouwer’s 1928 Vienna address,” an essay presenting evidence that both sides of the debate about the intuitionistic acceptability of *ex falso quodlibet* overlook a central tenet of Brouwer’s thought and that the relationship between anti-realism in the philosophy of logic and the coherence of “private language” made famous by Wittgenstein is due to Brouwer.

Doctoral students

1. Chris Porter, “Mathematical and philosophical perspectives on algorithmic randomness” (co-directed with Michael Detlefsen and Peter Cholak). 2012.

Senior theses

1. Thomas Graff, philosophy/theology concentration (co-directed)
2. Taylor Nutter, philosophy
3. James Schmidt, philosophy
4. Elliott Peirce, program for liberal studies
5. Steven White, philosophy/theology concentration (co-directed)
6. Mark Cerenzia, mathematics (co-directed)

Service

- *Notre Dame Journal of Formal Logic* editorial board, 2013 – present
- organizing Committee for the 2009 Annual Meeting of the Association of Symbolic Logic.
- organizing Committee for the Midwest Philosophy of Mathematics Workshop. 2006 – 2013
- referee for *Notre Dame Journal of Formal Logic*, *History and Philosophy of Logic*, *Journal of Symbolic Logic*, *Review of Symbolic Logic*, *Bulletin of Symbolic Logic*, *Journal of Philosophical Logic*, *Philosophy of Science*, *Philosophia Mathematica*, *Mind*, *Synthese*, and several other professional journals
- referee for *Cambridge University Press* (five books)
- UND Department of Philosophy
Director of Graduate Studies. 2014 – present

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- UND College of Arts and Letters
Academic Council. 2014 – present
- UND College of Arts and Letters
Academic Honesty Committee. 2013 – present
- UND Department of Philosophy
Committee of Appointments and Promotions. 2014 – present
- UND Department of Philosophy
Graduate Student Admissions committee. 2013 – 2014
- UND Department of Philosophy
Undergraduate Curriculum Committee. 2010 – present
- UND Department of Philosophy
Comprehensive History Exam Committee (Chair). 2011
- UND Department of Philosophy
New Faculty Search and Interviewing Committee. 2009 – 2010

Scholarships and fellowships

- University of California Regents Dissertation Writing Fellowship, 2005
- National Merit Scholarship, 1998

Distinctions, honors, and awards

- Phi Beta Kappa
- Hubert E. Bray Prize in Mathematics