

May 2022

**Curtis Franks**

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**Academic positions**

- Associate Professor of Philosophy  
College of Arts and Letters  
University of Notre Dame

**Administrative positions**

- Editor in chief  
Notre Dame Journal of Formal Logic
- Director of the joint program in Logic and Foundations of Mathematics  
University of Notre Dame

**Other positions**

- Member of the Association of Advanced  
Rabbinical and Talmudic Schools

**Education**

- University of California, Irvine  
Department of Logic and Philosophy of Science  
PhD. June 2006
- William Marsh Rice University. Houston, Texas  
B.A. in mathematics and philosophy, *magna cum laude* 2000

**Areas of research**

history and philosophy of logic, philosophy of mathematics,  
proof theory, pragmatism

### Previous positions

- Assistant Professor of Philosophy  
College of Arts and Letters  
University of Notre Dame, 2006 – 2013
- Director of Graduate Studies  
Department of Philosophy  
University of Notre Dame, 2014 – 2020

### Professional memberships

- Association of Symbolic Logic
- American Philosophical Association

### Published writing

#### BOOKS

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

#### ESSAYS

1. "The Gödelian inferences," *History and Philosophy of Logic* **30**(3), 2009, 241–56.
2. "Cut as consequence," *History and Philosophy of Logic* **31**(4), 2010, 349–79.
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.
9. “The context of inference,” *History and Philosophy of Logic* **39**(4), 2018, 365–95.
10. “Wittgenstein’s wayward student: the unauthorized autobiography,”  
to appear in J. Kennedy and S. Arbeiter (eds.), *Penelope Maddy on Set Theory and Naturalistic Method*. Springer: Outstanding Contributions to Logic.
11. “The deduction theorem (before and after Herbrand),”  
*History and Philosophy of Logic* **42**(2), 2021, 129–59.
12. “The fate of the syllogism in the Göttingen school,”  
in L. M. Verburgt and M. Cosci (eds.), *Aristotle’s Syllogism and the Creation of Modern Logic: Between Tradition and Innovation, 1820 – 1930*. Bloomsbury. 2022.
13. “Logic discovered and logic imposed (a Purim story),”  
to appear in C. Posy and Y. Ben-Menachem (eds.), *Mathematical Knowledge, Objects, and Applications: Essays in honor of Mark Steiner*. Springer.

#### POETRY

Some of my poetry has been featured in *Light*, *Fleas on the Dog*, *Lighten Up*, and *The Orchards*.

### **Invited lectures**

1. “Gödel in 20/20: hindsight, foresight, and logical blindness,”  
Tribute to Gödel 2020, Brno, Czech Republic. January 2020.
2. “Logical completeness: the very idea” (five lectures)  
Scandinavian Logic Society and Association of Symbolic Logic  
Summer School. Helsinki. 2015.
3. “The complexity of simplicity” Simplicity:  
Ideals of Practice in Mathematics and the Arts, New York City 2013
4. “An ancient sub-structural logic” CUNY logic seminar,  
(computer science department) 2012.
5. “Gödel’s last thought on Gentzen’s consistency proof”  
CUNY logic seminar, (mathematics department) 2012.
6. “Sacred inference” 25th Bar-Hillel lectures, Jerusalem 2011.
7. “What set theory and category theory can teach an anti-foundationalist”  
Philmath Intersem, Paris 2010.

### **Doctoral students**

1. Chris Porter, “Mathematical and philosophical perspectives  
on algorithmic randomness” (co-directed with Michael Detlefsen  
and Peter Cholak). 2012.
2. Corey Dethier, “Multiple models, robustness, and the epistemology of cli-  
mate science” (co-directed with Anjan Chakravarti). 2020.
3. Ellen Lehet, “The explanatory value of category theory.” 2020.
4. Paul Tran-Hoang, “Model-theoretic logicism” (co-directed with Tim Bays).  
2020.
5. Matteo Bianchetti, “Geometric representations in mathematical problem-  
solving: intuition and creativity.” 2021.

### **Undergraduate theses**

1. Ethan Osterman, philosophy
2. Xiaosong Yu, philosophy
3. Shae Himmelberger, program for liberal studies
4. Patrick Corry, philosophy
5. Thomas Graff, philosophy/theology concentration (co-directed)
6. Taylor Nutter, philosophy
7. James Schmidt, philosophy
8. Elliott Peirce, program for liberal studies
9. Steven White, philosophy/theology concentration (co-directed)
10. Mark Cerenzia, mathematics (co-directed)

### **Current projects**

- *Logical Completeness: the very idea*, a monograph expanding the accounts and results found in essays [2], [5], [7], [12]
- “Proofs of the disjunction property,” comparisons among the techniques used to verify a property of constructive logics based on frame semantics, cut-elimination, realizability interpretations, slash relations, and free topoi stage an analysis of Gödel’s earlier observation.
- “Propositional logic,” an invited entry for the Stanford Encyclopedia of Philosophy

### **Service**

- Chief editor, Notre Dame Journal of Formal Logic, 2019 – present
- Director of the joint graduate programs in logic and foundations of mathematics, 2021 – present

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- UND Department of Philosophy Director of Graduate Studies. 2014 – 2020
- UND College of Arts and Letters Academic Honesty Committee. (student ombudsman) 2018 – present
- UND College of Arts and Letters Academic Honesty Committee. (chair) 2015 – 2018
- chief author, Masters of Arts in Mathematical Philosophy (new degree program at the University of Notre Dame)
- Notre Dame Journal of Formal Logic associate editor, 2013 – 2019
- UND College of Arts and Letters Academic Honesty Committee (member). 2013 – 2015
- Program Committee 2020 Annual Meeting of the Association of Symbolic Logic
- Local Organizing Committee 2020 Annual Meeting of the Association of Symbolic Logic
- chair of special session “Logic and Philosophy” for the 2018 Annual Meeting of the Association of Symbolic Logic
- local organizing committee for the 2009 Annual Meeting of the Association of Symbolic Logic
- organizing committee for the Midwest Philosophy of Mathematics Workshop. 2006 – 2022
- UND Department of Philosophy Philosophy of Biology Search Committee (chair)
- UND College of Arts and Letters Academic Council. 2014 – 2017
- UND College of Arts and Letters Undergraduate Studies Committee. 2014 – 2021
- UND Department of Philosophy Committee of Appointments and Promotions. 2014 – 2017

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- UND Department of Philosophy Graduate Student Admissions committee. 2013 – 2020
- UND Department of Philosophy Undergraduate Curriculum Committee. 2010 – 2016
- UND Department of Philosophy Comprehensive History Exam Committee (chair). 2011, 2014

**Scholarships and fellowships**

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

**Distinctions, honors, and awards**

- University of Notre Dame Director of Graduate Studies Award, 2018
- Phi Beta Kappa
- Hubert E. Bray Prize in Mathematics