

Emerson P. Doyle

CONTACT INFORMATION

Huron University College
1349 Western Rd., London, ON
N6G 1H3, Canada

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EDUCATION

University of Western Ontario, London, Ontario, Canada

Ph.D., [Philosophy](#)

2007 – 2014

Advisor: John L. Bell

Dissertation Title: [The Methodological Roles of Tolerance and Conventionalism
in the Philosophy of Mathematics](#)

Dissertation Committee: [Robert DiSalle](#), [Wayne Myrvold](#)

Examiners: [Stathis Psillos](#), [Wayne Myrvold](#), [Robert Mercer](#) (UWO, CompSci.),
[David DeVidi](#) (University of Waterloo)

M.A., [Philosophy](#)

2006 – 2007

Area Competency: History of Philosophy

University of Toronto, Toronto, Ontario, Canada

Honours B.A., [Philosophy](#) (*with distinction*)

2002 – 2006

RESEARCH INTERESTS

Areas of Specialization

1. Early Analytic Philosophy
2. History & Philosophy of Logic
3. Foundations & Philosophy of Mathematics

Areas of Competence

1. Metaphysics & Epistemology
2. History & Philosophy of Science
3. Philosophy of Language

Dissertation Abstract

My dissertation makes two primary contributions. The first three chapters develop a novel interpretation of Carnap's *Meta-Philosophical Program* which places stress upon his methodological analysis of the sciences over and above the Principle of Tolerance. I first observe that Carnap sees philosophy as *contiguous* with science—as *part of the scientific enterprise*—utilizing the very same methods and subject to the same limitations. I then argue that Carnap's understanding of mathematics as a set of formal auxiliaries is premised upon his prior analysis of the character of logico-mathematical knowledge, his understanding of its role in the language of science, and the methods used by practicing mathematicians. Thus Tolerance, and so Carnap's conventionalism, is licensed and justified by these methodological insights rather than grounding his entire program. Philosophy becomes the *explication* of the concepts of science (including mathematics) through the construction of suitably robust meta-logical languages.

The final chapter then extends and applies the methodological ideals of Carnap's program to the ongoing debate between category- and set-theoretic foundations for mathematics. Criticisms of category theory as a foundation charge that it is neither autonomous from set theory, nor offers a suitable ontological grounding for mathematics. I argue that an analysis of concepts can be foundationally informative without requiring construction from first principles, and that ontological worries can be put to the side in the investigation of their methodological and epistemic roles in science.

ACADEMIC EXPERIENCE

Huron College – Assistant Professor (Ongoing Per-Course Contract)

(All 2020/2021 courses involved online development/delivery due to COVID-19 restrictions)

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|--|---------------------|
| 1. Introduction to Logic (summer, accelerated) | S2017 – Ongoing |
| 2. Reality & What We Can Know of It (also Fall when offered) | W2017 – Ongoing |
| 4. Introduction to Ethics & Value Theory | F/W2021 – Ongoing |
| 5. History of Scientific Thought (full-year) | 2015/2016 – Ongoing |
| 6. Origins of Analytic Philosophy (intermittent offering) | W2019, F2022 |

Huron College – Instructor

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| 5. History of Scientific Thought (full-year) | 2011/2012 – 2014/2015 |
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University of Western Ontario – Instructor

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| 6. Introduction to Logic (summer, accelerated) | S2014 |
| 7. Philosophy of Language | F2011 |
| 8. Basic Logic (full-year course, twice co-taught) | F2009, 2012/2013, W2014 |

University of Western Ontario – Teaching Assistant

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|---|-----------|
| 1. Introduction to Philosophy (full-year) | 2008/2009 |
| * <i>Nominated for the 2009 UWO Graduate Student Teaching Award</i> | |
| 2. Critical Thinking (full-year) | 2007/2008 |
| 3. Questions of the Day | W2007 |
| 4. Business Ethics | F2006 |

University of Western Ontario – Research Assistant

2009 – 2010

Formatting and manuscript preparation duties for:

[Harper, William L.](#) 2012. *Isaac Newton's Scientific Method: Turning Data into Evidence about Gravity and Cosmology*. Oxford University Press.

Other Academic Experience

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| 1. GS9500: The Theory and Practice of University Teaching | Summer 2011 |
| <i>Completed with Distinction.</i> Interdisciplinary, full-length course designed to familiarize students with background research relevant to university teaching, and provide opportunity for practice and feedback for teaching skills. Offered by the Teaching Support Centre at UWO. | |
| 2. Advanced Teaching Program Certificate | Summer 2009 |
| Offered by the Teaching Support Centre at UWO. A hands-on, 20-hour course focusing upon effective instructional techniques and designing engaging lessons. | |

PUBLICATIONS

Cuffaro, Michael E. & Doyle, Emerson P. 2021. "Essay Review of: Bub & Bub's *Totally Random: Why Nobody Understands Quantum Mechanics* (Princeton University Press)". *Foundations of Physics* 51:28, 1–28. ([Link](#))

Doyle, Emerson P. 2010. "Ramsey's Little Argument." In *Proceedings of the Canadian Society for the History & Philosophy of Mathematics* 23: 132–154.

Invited Workshops & Lectures

1. Invited Lecture – A.B. Lucas Secondary School March 10th, 2023
Spoke with the senior philosophy class at A.B. Lucas in London, ON. Topics included university life, professional philosophy, and the method of explication.
2. Beamer Workshop – CUMC August 7th, 2021
Invited to host workshop for Canadian Undergraduate Mathematics Conference participants on the use of Beamer for mathematical presentations.
3. Invited Lectures – Loyola Secondary School 2004 – 2020
Each semester I lectured to the senior philosophy class(es) at Loyola in Mississauga, ON. Topics included: Logic & Paradox, Methods of Science & Mathematics in Philosophy, and The Socratic Method.
4. Invited Address – Royal Astronomical Society of Canada January 15th, 2016
“Ancient & Medieval Astronomy: Theory & Method”, invited address to the London Chapter of the Royal Astronomical Society of Canada.
5. Invited Lecture – Simon Fraser University June 17th, 2015
“Some History of Astronomy”, invited lecture to the 3rd-year class Philosophy of Science, Department of Philosophy, Simon Fraser University.

Conference Contributions (*Peer-reviewed †Abstract Submission)

1. 2017. “Ramsey’s Logicism.” Invited address at the Workshop in Memory of William Demopoulos, Department of Philosophy, Western University, September 27.
2. †2014. “The Methodological Import of Some Technical Results in Carnap’s *Logical Syntax of Language*.” Presented at the III Congreso Colombiano De Lógica, Epistemología y Filosofía de la Ciencia, Universidad de los Andes & Universidad Del Rosario, Bogotá, Colombia, February 13.
3. 2013. “Is Carnap’s Program Viciously Circular? Or Perhaps He’s a Relativist?” Doctoral Public Lecture at Western University, London ON, December 9.
4. †2011. “On the Notion of ‘Empirical Fact’ in Carnap’s *Logical Syntax*.” Presented at the annual meeting of the Canadian Society for the History & Philosophy of Science, University of New Brunswick, Fredericton, May 29.
5. 2011. “The ω -Rule and the Methodological Role of Tolerance in Carnap’s *Logical Syntax*.” Presented for the PGSA Colloquium Series, Department of Philosophy, Western University, January 19.
6. †2010. “Ramsey’s Little Argument.” Presented at the annual meeting of the Canadian Society for the History & Philosophy of Mathematics, Concordia University, Montreal, May 31.
7. *2009. “Is Quantum Entanglement Really an Example of Ontological Emergence?” Presented at the Virginia Tech Philosophy Graduate Conference, Virginia Polytechnic Institute, November 6.
8. †2008. “Two Notions of Incommensurability.” Presented at the annual meeting of the Canadian Society for the History & Philosophy of Science, University of British Columbia, Vancouver, June 5.

9. *2008. “A Problem with Negative Properties in Intuitionistic Mathematics.” Presented at the annual meeting of the Canadian Philosophical Association, University of British Columbia, Vancouver, June 2.
10. †2008. “An Objection to Intuitionism.” Presented at the annual meeting of the Canadian Society for the History & Philosophy of Mathematics, University of British Columbia, Vancouver, June 1.

AWARDS

University of Western Ontario

1. Ontario Student Opportunity Trust Fund Award (\$1,000), 2013
2. Nominee, UWO Graduate Student Teaching Award, 2009
3. Western Graduate Research Scholarship (\$35,000), 2006–2012

Canadian Philosophical Association

4. 2008 Congress, Student Essay Prize—2nd Place (\$250), June 2008

SERVICE TO THE UNIVERSITY

Faculty Associations & Related

1. HUCFA Contract Faculty Representative
Huron University College, July 1st 2022–2023
2. OCUFA Contract Faculty Committee Representative
Huron University College Rep., 2022–2023

Academic Committees

1. Huron Space Committee
Huron University College, 2022
2. Graduate Program Advisory Committee
Department of Philosophy, UWO, 2007–2008; 2008–2009
3. Committee for Women’s Concerns
Department of Philosophy, UWO, 2006–2007

SERVICE TO THE PROFESSION

Journal Referee

1. Liberated Arts, Huron University College
Undergraduate Research Journal, 2015 - Ongoing
2. History of Philosophy Quarterly, 2015

Conference Organization

1. Co-Organizer, Logic, Mathematics and Physics Philosophy Graduate Conference
Department of Philosophy, UWO, May 9–10, 2010
Keynote: Kevin Kelly (Carnegie Mellon)

2. Philosophy Graduate Student Association Colloquium Series
Department of Philosophy, UWO, 2009–2010
3. Co-Organizer, Logic, Mathematics and Physics Philosophy Graduate Conference
Department of Philosophy, UWO, April 22–23, 2009
Keynote: [David Malament](#) (UC Irvine)
4. Co-Organizer, Philosophy Graduate Student Association Colloquium Series
Department of Philosophy, UWO, 2008–2009
5. Co-Organizer, Logic, Mathematics and Physics Philosophy Graduate Conference
Department of Philosophy, UWO, April 30–May 1, 2008
Keynote: [Mark Wilson](#) (Pittsburgh)
6. Co-Organizer, Philosophy of Mind, Language & CogSci. Graduate Conference
Department of Philosophy, UWO, May 26–27, 2007
Keynotes: [Dorit Bar-On](#) (UConn) and [Keith Simmons](#) (UConn)

Conference Referee

1. Logic, Mathematics, and Physics Philosophy Graduate Conference
Department of Philosophy, UWO, Annually 2008–Ongoing
2. Philosophy of Mind, Language, & Cognitive Science Graduate Conference
Department of Philosophy, UWO, Annually 2007–2014
3. Canadian Philosophical Association, Annual Congress (Math/Logic section)
University of New Brunswick (2011); Concordia University (2010)
4. History of Philosophy Graduate Conference
Department of Philosophy, UWO, March 29–30, 2008
5. Ethics and History of Philosophy Graduate Conference
Department of Philosophy, UWO, November 17–18, 2006

TEACHING REFERENCES

Geoff Read
Provost and Dean, Faculty of Arts & Social Sciences, Huron University College
email: gread4@huron.uwo.ca phone: 519.438.7224 ext. 267

Steven Bland
Chair, Department of Philosophy, Huron University College
email: sbland2@uwo.ca phone: 519.438.7224 ext. 357

Glen Koehn
Department of Philosophy, Huron University College
email: koehn@huron.uwo.ca phone: 519.438.7224 ext. 254

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