

## **SEAN C. EBELS DUGGAN**

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### **EMPLOYMENT**

Visiting Lecturer in Philosophy, Northwestern University, 2007-present.

### **EDUCATION**

*Ph.D* in Philosophy (Logic and Philosophy of Science Track), University of California, Irvine, June 2007.

*M.A.* in Mathematics, Boston College, May 2001.

*M.Litt* in Philosophy (with distinction), University of St Andrews (UK), November 1998.  
Thesis: *Davidson, Truth, and Logical Form*. Director: Peter Sullivan.

*B.A.* in Philosophy (*cum laude*), Wheaton College (IL), May 1997.

### **AREAS OF SPECIALIZATION**

Philosophy of logic and mathematics.

### **AREAS OF COMPETENCE**

Logic, Early Analytic Philosophy, Kant.

### **DISSERTATION SUMMARY**

*The Ought in Thought: Logic and rational norms in Kant, the Tractatus, and beyond*

Logic is normative: we are rationally *at fault* for belief contrary to logical laws. To be so at fault requires some kind of awareness of the norms we transgress. *Logical essentialism*, a view inspired by Kant, claims logical laws reflect necessary, formal features of thought manifest in the contents of our thoughts. Because manifest in what we think, we are aware of logical norms, and so can explain logic's normativity. Kant's account, however, trips over its treatment of logical form as a property of thoughts. Wittgenstein's *Tractatus* moves past Kantian essentialism by denying that logical form is a property of thought. Followed through, this view provides a trivial explanation of the normativity of logic, and reason to think that nothing more interesting can be said. But the Tractarian view makes unlicensed assumptions (criticized in the *Philosophical Investigations*) about the nature of thought. I try to recover an account of logical normativity that retains the Tractarian insights without falling into similar errors by treating logical form as expressive of normative commitments endemic to thinking.

**Committee:** Penelope Maddy (*Chair*), Charles Parsons, William Bristow, Kyle Stanford.

## **HONORS AND AWARDS**

University of California Regents Dissertation Fellowship, Winter 2006.  
University of California Regents Summer Research Fellowship, Summer 2004.  
University of California Regents Pre-Dissertation Fellowship, Spring 2003.  
University of California Regents Summer Research Fellowship, Summer 2002.  
University of California, Irvine School of Social Sciences Merit Fellowship, 2001-2.  
University of California, Irvine Chancellor's Fellowship, 1998-9.  
(forfeited on transfer from Department of Philosophy to Department of Logic and Philosophy of Science in 2001).  
National Merit Scholar, 1993.

## **PRESENTATIONS AND SERVICE**

“Eliminating Logical Knowledge”  
Northwestern University, February 2007.

“The Inertness of Logical Form”  
University of Illinois-Chicago Philosophy of Mathematics Reading Group, December 2006.

“Kant, Logical Form, and Logical Norms”  
Harvard University Workshop in Metaphysics and Epistemology, March 2006.

“Rational Norms and Logical Truth”  
Harvard University Workshop in Metaphysics and Epistemology, November 2005.

“Essentialism and Semantic Skepticism in Wittgenstein's *Tractatus*”  
Harvard University Workshop in Metaphysics and Epistemology, March 2005.

“Kant's Logical Idealism”  
Harvard University Workshop in Metaphysics and Epistemology, October 2004.  
University of California, Irvine Graduate Student Colloquium, October 2004.

“Frege on the Normativity of Logic”  
Harvard/MIT Friends and Eminees Reading group, Spring 2004.

“On the Uses of Dedekind's Theorem”  
Midwest Philosophy of Mathematics Workshop, University of Notre Dame, November 2002.  
University of California, Irvine Graduate Student Colloquium, November 2002.

“What is it like to be a Fact?”  
St Andrews Metaphysics and Epistemology Retreat, February 1998.

Ad hoc referee for *Journal of Philosophical Logic*.

## TEACHING EXPERIENCE

### Lecturer, Northwestern University:

*Elementary Logic II*, Winter 2008.  
*Elementary Logic I*, Fall 2007.  
*Classics of Analytic Philosophy*, Fall 2007.

### Instructor, Junior Tutorial, Harvard University:

*Berkeley and Hume on Metaphysics and Religion* (Department of Philosophy), Winter 2006.  
*Religion and Mathematics* (Committee for the Study of Religion), Fall 2004.

### Teaching Assistant, Harvard University:

*Introduction to Modern Philosophy*, Spring 2005.  
*Logic and Philosophy*, Spring 2004.  
*Deductive Logic*, Fall 2003, Fall 2000.

### Teaching Assistant, University of California, Irvine:

*Theory of Knowledge*, Winter 2003.  
*Elementary Set Theory*, Fall 2002.  
*Inductive Logic*, Spring 2002.  
*Symbolic Logic*, Winter 2002.  
*Contemporary Moral Problems*, Fall 2001.

### Graduate Instructor, Boston College:

*Linear Mathematics and Applications*, Spring 2001.  
*Finite Probability and Applications*, Fall 2000.

### Teaching Assistant, Boston College:

*Calculus II*, Spring 2000.

## GRADUATE COURSEWORK

(\* denotes audited courses, † denotes seminars)

### Metaphysics and Epistemology

Harvard University

*Meaning and Communication*\*  
*The Later Philosophy of Wittgenstein*\*  
*Mathematics and Ontology*\*†

Richard Heck  
Warren Goldfarb  
Charles Parsons

**(GRADUATE COURSEWORK, Metaphysics and Epistemology, continued)**

University of California, Irvine	
<i>Philosophy of Logic I<sup>†</sup>, II<sup>†</sup></i>	Penelope Maddy
<i>Indeterminacy<sup>†</sup></i>	Penelope Maddy
<i>McDowell's <u>Mind and World</u><sup>†</sup></i>	Alan Nelson
<i>Geometry and Spacetime</i>	David Malament
<i>Introduction to Philosophy of Mathematics<sup>†</sup></i>	Penelope Maddy
<i>Frege's Philosophy of Mathematics<sup>†</sup></i>	Aldo Antonelli
<i>First Year Seminar: Atomism<sup>†</sup></i>	Alan Nelson
University of California, Los Angeles	
<i>Wittgenstein's <u>Philosophical Investigations</u><sup>*</sup></i>	Gavin Lawrence, Andrew Hsu
University of St Andrews	
<i>Response Dependent and Judgment Dependent Concepts<sup>*</sup></i>	Crispin Wright
<i>Philosophy of Language (Half-course)</i>	Charles Travis
<i>Wittgenstein II</i>	Charles Travis
<i>Wittgenstein I</i>	Peter M. Sullivan
<i>Epistemology (Half-course)</i>	Leslie Stevenson
<i>Philosophy of Mind (Half-course)</i>	Alan Miller
 <b>Mathematics and Logic</b>	
Harvard University	
<i>From Frege to Gödel<sup>††</sup></i>	Warren Goldfarb
<i>Set Theory<sup>*</sup></i>	Peter Koellner
<i>Frege's Formal Development of Arithmetic<sup>††</sup></i>	Richard Heck
University of California, Irvine	
<i>Logic for Artificial Intelligence<sup>††</sup></i>	Aldo Antonelli
<i>Set Theory II</i>	Matthew Foreman
<i>Set Theory I</i>	Paul Eklof
<i>Descriptive Set Theory I<sup>†</sup>, II<sup>†</sup></i>	Martin Zeman
<i>Metamathematics of First Order Arithmetic<sup>†</sup></i>	Aldo Antonelli
<i>Recursion Theory and Incompleteness<sup>†</sup></i>	Martin Zeman
<i>Topics in Logic: STTT, Metamathematics<sup>†</sup></i>	Aldo Antonelli
<i>Basic Model Theory<sup>††</sup></i>	Martin Zeman
<i>Free Logics<sup>†</sup></i>	Karel Lambert
<i>Metalogic</i>	Aldo Antonelli
<i>Elementary Set Theory</i>	Penelope Maddy
Boston College	
<i>Algebra and Cryptography<sup>†</sup></i>	William Keane
<i>Set Theory</i>	Ned Rosen
<i>Probability</i>	Daniel Chambers
<i>Topology I, II</i>	G. R. Meyerhoff

**(GRADUATE COURSEWORK, Mathematics, continued)**

<i>Logic II: Foundations of Mathematics</i>	Ned Rosen
<i>Analysis I, II</i>	Nancy Rallis
<i>Modern Algebra I, II</i>	William Keane
<i>Theory of Functions of a Complex Variable I</i>	John Shanahan

**History of Philosophy**

Harvard University	
<i>Kant's <u>Critique of Pure Reason</u>*</i> <sup>†</sup>	R. Lanier Anderson
<i>Kant's <u>Critique of Pure Reason</u>*</i>	Charles Parsons
<i>Historical Roots of Mathematical Structuralism</i> <sup>†</sup>	Charles Parsons
University of California, Irvine	
<i>Kant's <u>First Critique</u></i>	William Bristow
History and Philosophy of Calculus <sup>†</sup>	Aldo Antonelli
University of St Andrews	
<i>Philosophers of the Scottish Enlightenment</i>	Anthony Pitson
<i>History of Analytic Philosophy</i>	Peter Clark, John Skorupski

**Moral Philosophy**

University of California, Irvine	
<i>Korsgaard's <u>Sources of Normativity</u></i> <sup>†</sup>	William Bristow
University of St Andrews	
<i>Ethics</i> (Half course)	Garrett Cullity

**REFERENCES**

Penelope Maddy, Professor of Logic and Philosophy of Science, University of California, Irvine.

Charles Parsons, Professor Emeritus of Philosophy, Harvard University.

Aldo Antonelli, Professor of Logic and Philosophy of Science, University of California, Irvine.

P. Kyle Stanford, Associate Professor of Logic and Philosophy of Science, University of California, Irvine

William Bristow, Assistant Professor of Philosophy, University of Wisconsin, Milwaukee.