Gillman Payette

CONTACT INFORMATION	Department of Philosophy University of Calgary Calgary, Alberta	Phone: (403) 220 7518 Fax: N/A *Primary E-mail:* ggpayett@ucalgary.ca

EDUCATION

PhD, A Study in the Logic of Institutions
University of Calgary, Calgary, Alberta, Canada

Philosophy, November 13, 2012

Advisor: Richard Zach

Certificates from the Instructional Skills course and the University Teaching Certificate courses at the University Calgary's Centre for Teaching and Learning

MA, Pluralist Algebraic Paraconsistency: a study in universal logic
Dalhousie University, Halifax, Nova Scotia, Canada

Philosophy, December 2006

Advisor: Peter K. Schotch

BSc. (Hons.), Logic Without Numbers
Dalhousie University, Halifax, Nova Scotia, Canada

Mathematics, May 2004

Advisors: Robert Paré and Peter K. Schotch

Languages
English (native) ● French (Bilingual Certificate, Nova Scotia 2000, Intermediate Reading and Writing)

AOS

Logic and Philosophy of Logic

AOC

Decision Theory and Scientific Reasoning; Ethics; Applied Ethics (Bio, Business, and Information Technology), Philosophy of Mind, Language and Mathematics; History of Analytic Philosophy

APPOINTMENTS

Assistant Teaching Professor, July 2023-Present, University of Calgary

Adjunct Assistant Professor, July 2022-July 2023, University of Calgary

Sessional Instructor, Jan 2022–July 2023, University of Calgary

Sessional Instructor, September–December 2021, University of Alberta

Limited Term Philosophy Instructor, September–April 2018–2020, University of Lethbridge

Honorary Postdoctoral Fellowship, September 2016—2019, University of British Columbia

MITACS Canadian Science Policy Fellow, September 2017—September 2018, British Columbia Ministry of Advanced Education, Skills and Training.

Research Assistant, December 2016—August 2017, Canadian Centre for Advanced Leadership and Ethics, Haskayne School of Business, University of Calgary.

Publications

Journal Articles

Against Logical Generalism, *Synthese* 198, 4813-4830 (2021). (with Nicole Wyatt)
  Special issue: Teresa Kouri and Colin Caret eds.

Normative Inconsistency: An Xstit Account, *Logic and Logical Philosophy*,
  Vol. 27 (No. 3) 2018, 375–413.

Ramifications of Imposing Uniform Responsibility on Collective Action,
  Logique & Analyse 243 (2018), 237-268.

Logical Pluralism and Logical Form, *Logique & Analyse*, Vol. 61 (No. 241) 2018, 25–42.
  (with Nicole Wyatt)

How do Logics Explain?, *Australasian Journal of Philosophy*, 96 (1) 2018, 157–67.
  (with Nicole Wyatt)

Three Grades of Agnostic Involvement, *IfCoLog Journal of Logics and their Applications*
  3 (5) 2016, 847–76.

Getting the Most out of Inconsistency, *Journal of Philosophical Logic*, 44 (5) 2015, 573–592.

Reflecting Rules: A Note on Generalizing the Deduction Theorem, *Journal of Applied Logic*
  13 (3) 2015, 188–96.

Remarks on the Scott-Lindenbaum Theorem, *Studia Logica* 102 (5) 2014, 1003–1020.
  (with Peter Schotch)

Decidability of an Xstit Logic, *Studia Logica* 102 (3) 2014, 577–607.

Worlds and Times: Diodorus and the Master Argument, *Synthese* 181 (2) 2011, 295–315.
  (with Peter Schotch)

On Preserving, *Logica Universalis* 1(2) 2007, 295–310. (with Peter Schotch)

Level Compactness, *Notre Dame Journal of Formal Logic* 47(4) 2006, 545–555.
  (with Blaine d'Entremont)

In Collections

Explanation in Logic. In Filippo Ferrari, Elke Brendel, Massimiliano Carrara, Ole Hjortland, Gil Sagi, Gila Sher and Florian Steinberger (eds.),

Oxford Handbook of the Philosophy of Logic. Oxford University Press, Forthcoming. (with Nicole Wyatt)

An Evidence Logic Perspective on Schotch-Jennings Forcing, In: Hansen, H.H., Scedrov, A., de Queiroz, R.J. (eds) *Logic, Language, Information, and Computation. WoLLIC 2023.* Lecture Notes in Computer Science, vol 13923. Springer, Cham. 2023, pp. 135–60 (With Tyler D.P. Brunet)

Logical Particularism. In Nathan Kellen, Nikolaj J. L. L. Pedersen, and Jeremy Wyatt (eds.), *Pluralisms: Truth and Logic.* Palgrave Macmillan 2018, pp. 277-299. (with Nicole Wyatt)

Type Raising: Schotch on the Prisoner's Dilemma and Deontic Logic. In Payette, Gillman, (ed.) *"Shut up," he explained: Essays in Honour of Peter K. Schotch*, College Publications 2016, London, pp. 191–218.

Preserving Logical Structure. In Brown, B., Jennings, R.E., and Schotch, P.K. (eds.) *On Preserving: Essays on Preservationism and Paraconsistent Logic*, University of Toronto Press 2009, Toronto, pp. 105–43.

Books

Payette, Gillman and Rafal Urbaniak, eds. (2017) *Applied Formal Philosophy: The Road Less Travelled*, Logic, Argumentation and Reasoning, Springer, Dordrecht.

Payette, Gillman, ed. (2016), *"Shut up," he explained: Essays in Honour of Peter K. Schotch,* College Publications, London, UK.

Béziau, Jean-Yves and Gillman Payette, eds. (2012), *New Perspectives on the Square of Opposition*, Peter Lang AG, Bern, Switzerland.

HONOURS AND AWARDS

Social Sciences and Humanities Research Council of Canada Connections Grant, 2014, (8519 CND)

Governor General's Gold Medal for PhD 2012, University of Calgary

Joseph-Armand Bombardier Canadian Graduate Scholarship 2009-11, Social Sciences and Humanities Research Council of Canada (70 000 CND)

Honorary Killam Scholarship 2009-11, University of Calgary (6000 CAN research stipend)

Michael F. Smith Foreign Study Supplement 2010, Social Sciences and Humanities Research Council of Canada (6000 CND)

Queen Elizabeth II Graduate Scholarship 2007-9, University of Calgary (15 000 CND)

Governor General's Gold Medal in Social Science and Arts 2007, Dalhousie University

John D. Petrie, QC Memorial Bursary 2011-12, University of Calgary (10 000 CND)

Harry and Laura Jacques Bursary 2011, University of Calgary (3400 CND)

Faculty of Humanities Graduate Scholarship 2011, University of Calgary (1500 CND)

Faculty of Graduate Studies Award 2008 (February), University of Calgary (500 CND)

Dean's entrance scholarship 2007, University of Calgary (6000 CND)

Faculty Research Grant Scholarship 2005-7, Dalhousie University (12 000 CND)

<small>TEACHING
EXPERIENCE</small>

INSTRUCTOR

University of Calgary, Calgary, Alberta, Canada

Logic I: Introductory formal logic On going
Topics Covered: Semantics and fitch-style proof theory of FOL, soundness of FOL and functional completeness of PL.

Information Technology Ethics On going
Topics covered: AI and Responsibility Gaps, Responsibility of Social Media Companies, Work and workers in the age of social media and AI, Autonomous Vehicles and Weapons, Fair and Transparent AI.

Logic II: Intermediate Logic On going
Topics Covered: Basics of Sets, Enumerability, Completeness of FOL using Sequent Calculus, Turing Machines and Decidability.

Business Ethics Spring 2022
Topics covered: Justification of Market Systems, Ethical Constraints on Business, Debate over Sweatshops, Philosophy of Work, Obligation to Work, Responsibility of Social Media Companies, Obligations to Workers in the Social Media Age.

Bioethics Spring 2020
Topics covered: Principles of Bioethics, Paternalism, Consent and Competence, Micro and Macro Resource Allocation, Euthinasia and Physicians' Rights

19th or 20th Century Analytic Philosophy Fall 2011
Topics Covered: Some influential works of Frege, Russell, Early Wittgenstein, Moore, Logical Positivism and Quine, and Ordinary Language Philosophy

University of Alberta, Edmonton, Alberta, Canada

Risk, Choice and Rationality Fall 2021
Topics Covered: Decisions under ignorance and risk, utility theory, probability, descriptive decision theory, game theory and its applications in philosophy, social choice and voting theory.

University of Lethbridge, Lethbridge, Alberta, Canada

Introduction to Philosophy of Mind Winter 2019, 2020
Topics Covered: Plato, Descartes, Hobbes. Behaviourism, Identity Theory, Functionalism, Qualia, AI, Propositional Attitudes, and Semantics.

Introduction to Philosophy Fall 2018–Winter 2020
Topics Covered: Proofs of God, Ethics, Free Will, Rawls & Nozick, Russell's Epistemology, and Hume. (Four sections)

How to Lie Summer I 2019
Topics Covered: Definitions of lying, kinds of lies, ethics of lying, lie detection, and lying in fiction and humor.

Metalogic (Graduate Independent Study) Winter 2019
Topics Covered: Soundness and Completeness of first order logic, Turing Machines, The Halting Problem, and Modal Logic.

Ethics Fall 2018, 2019
Topics Covered: Kant, Consequentialism, Rawls, Hobbes, Ethics of Care, Relativism, Moral Skepticism, Euthanasia, Pornography, Environment.

Dalhousie University, Halifax, Nova Scotia, Canada

Philosophical Logic (co-instructor with Peter Schotch) Fall 2012
Topics Covered: Metatheory of modal and many valued logic, epistemic Logic

Understanding Scientific Reasoning Winter 2013
Topics Covered: Basic philosophy of science, induction and its problems, statistical reasoning and probability

Directed Reading on Logic and Philosophy of Mathematics Winter 2013
Topics Covered: Intermediate model theory, philosophy of mathematics (intuitionism, realism and paraconsistency)

Teaching Assistant

Phil 279 **Logic I: Introduction to Formal Logic**
Phil 275 **Critical Thinking**
Phil 201 **Problems in Philosophy**
Phil 249 **Ethics**
Phil 2130 **Deductive Logic**
Phil 1080 **Reasoning Skills**

Marker

Math 2130 **Linear Algebra**
Math 1115 **Mathematics For Commerce**

Work in
Preparation

Evidence, Belief, and Ideal Rationality (10 pages)

Comments on Ruben's Theory of Trying (6 pages)

Trying: a logical account

What is wrong with Anderson's reduction? (7 pages)

Axiological Ought-to-be and Ought-to-do: Some results on the impossibility of reduction (25 pages)

Presentations

Invited Talks

The Normativity of Logic: A Particular-ist Story, Central APA, Denver, CO, Feb 20-23, 2019.

On Requiring Uniform Responsibility, University of Luxembourg, May 9, 2016.

Can we be Obligated to do Non-ideal Things? *Ceteris Paribus* Considerations, University of Konstanz, May 4, 2016.

Ideal Rationality + Ignorance = Omniscience, Concordia University of Edmonton, January 13, 2016.

Logical Pluralism: Fact or Fiction, Graduate center for the logical foundations for semantics and knowledge, Department of logic, Faculty of philosophy, Charles University, March 12, 2007.

Conferences and Colloquia

Reflections on Writing with Peter K. Schotch, World Logic Day in Alberta, Online, Jan 14th, 2023.

Doxastic Logic vs. Ideal Rationality, World Logic Day in Alberta, Online, Jan 14th, 2021.

The Background Logic "Problem", University of Lethbridge Colloquium, Lethbridge, AB, November 20, 2020

Validity is Not Formal, World Logic Day (Lethbridge, AB), Jan 14, 2020.

Rules in the object language? They must have escaped from the zoo!, University of Lethbridge Colloquium, Lethbridge, AB, September 26, 2019

Ideal Rationality + Ignorance = Omniscience, annual meeting of the Canadian Philosophical Association, UBC, Vancouver, BC, May 31–June 4, 2019.

Ideal Rationality + Ignorance = Omniscience, University of Lethbridge Colloquium, Lethbridge, AB, May 10, 2019

The Normativity of Logic a Particularist View, World Logic Day (Lethbridge, AB), Jan 14th, 2019.

A Note on Ruben's Conditional Theory of Trying, Western Canadian Philosophy Association, University of Calgary, Calgary, AB, October 27, 2018

A Note on Ruben's Conditional Theory of Trying, University of Lethbridge Colloquium, Lethbridge, AB, September 5, 2018

Axiological Ought-to-be and Ought-to-do: some results on the (im)possibility of reduction, at the annual meeting of the Society for Exact Philosophy, University of Calgary, May 5-8 2017.

Against Logical Generalism, at the annual meeting of the Canadian Philosophical Association, University of Calgary, May 29–June 1, 2016.

Against Logical Generalism, at the annual meeting of the Society for Exact Philosophy, University of Miami, May 6-8 2016.

Group agents – do they make sense? 15th Congress of Logic, Methodology and the Philosophy of

Science, University of Helsinki, August 3–8, 2015.

Peter's Partiality for the Pareto Principle: On Schotch's Diagnosis of the Prisoners' Dilemma at the annual Meeting of the Society for Exact Philosophy, McMaster University, 22–24, May 2015.

Some Formal Thoughts on Group Agents, in the Philosophy Colloquia at University of British Columbia, November 21, 2014.

Group Agents: Do They Make Sense?, in the Philosophy Speakers Series Program at The University of Calgary, November 7, 2014.

Close Enough for Government Work: Comments on the Basic Assumptions of Stit Theory, at the annual meeting of the Society for Exact Philosophy, Université de Montréal, Montreal, May 24-26, 2011.

Normative Consistency: An Xstit Account, Formal Ethics 2012, Munich Center for Mathematical Philosophy, October 11–13, 2012.

Normative Consistency: A Stit Account, at the annual meeting of the Canadian Philosophy Association, University of Waterloo, May 26-30, 2012.

Epistemic Closure, Contextualism and the Truth Matching Account of Knowledge, at the annual meeting of the Western Canadian Philosophy Association, University of Lethbridge, October 21-23, 2011. (with Masashi Kasaki)

Epistemic Closure, Contextualism and the Truth Matching Account of Knowledge, at the annual meeting of the Society for Exact Philosophy, University of Manitoba, May 26-28, 2011. (with Masashi Kasaki)

Preservationism and Truth, at the Third World Congress of Universal Logic, Monte Estoril, Portugal, April 22–25, 2010.

Worlds and Times, at the annual meeting of the Society for Exact Philosophy, University of Alberta, May 7–9, 2009. (with Peter K. Schotch)

Paraconsistent Logics, Paraconsistent Inference and Logical Pluralism, at The Fourth World Congress of Paraconsistency, University of Melbourne, July 13–18, 2008.

Proof theory and pluralism, Logica 2008, Hejnice Czech Republic, June 16-20, 2008.

Paraconsistency and Logical Pluralism, Book Symposium for *On Preserving: Essays on Preservationism and Paraconsistency*, annual meeting of the Canadian Philosophical Association, University of British Columbia, June 1-6, 2008.

Schotch-Jennings Forcing and Structural Properties of Logics, PHILFORM, Institut d'histoire et de philosophie des sciences et des techniques, Paris, France, April 30th, 2007.

Logical Pluralism?, Friday Afternoon Colloquia Series, Department of Philosophy, Dalhousie University, Sept 22, 2006.

Level Compactness, LLEP International Conference: Preservationism and Paraconsistency, Dalhousie University, July, 27-29, 2006.

On Preserving, Logica 2006, Hejnice Czech Republic, June 19-23, 2006. (with Peter K. Schotch)

Notes from the Preservationist Underground: On Preserving, Friday Afternoon Colloquia Series, Department of Philosophy, Dalhousie University. June 9, 2006.

Logic Without Numbers, Canadian Undergraduate Math Conference, Dalhousie University, June 16-20, 2004.

Completeness Without Arithmetic, Friday Afternoon Colloquia Series, Department of Philosophy, Dalhousie University, April 30, 2004.

COMMENTARIES

The Logic of Entailment with Identity by Nicholas Ferenz at the annual meeting of the Western Canadian Philosophical Association, October 26, 2019 University of Lethbridge, Lethbridge, Canada.

Bayesian Sensitivity and the Law by Matthew Maxwell at the annual meeting of the Western Canadian Philosophical Association, October 26, 2019 University of Lethbridge, Lethbridge, Canada.

The Logic and Contents of Imperitives by Nicolas Fillion, at the annual meeting of the Western Canadian Philosophical Association, October 27, 2018 University of Calgary, Calgary, Canada.

Commentary on the paper "Axioms for Finite Collapse Models of Arithmetics" by Andrew Tedder, at the annual meeting of the Western Canadian Philosophical Association, October 3–5, 2014 University of British Columbia, Vancouver, Canada.

Commentary on the paper "Constructive Knowability" by Sergei Artemov and Tudor Protopopescu, at the annual meeting of the Western Canadian Philosophical Association, October 21-23, 2011 University of Lethbridge, Lethbridge, Canada.

Commentary on the paper "On the Concept of Translations between Logics" by Giovanni Queiroz, at the annual meeting of the Western Canadian Philosophical Association, October 24–6, 2008 University of Alberta, Edmonton, Canada.

RESEARCH
EXPERIENCE

Research Assistant University of Calgary   *May – December 2008*
Duties included typesetting and editing of papers for the collected work of Rudolf Carnap.

Research Assistant Dalhousie University   *September, 2005 – December, 2006*
Duties included typesetting and editing of papers and of a book submitted for publication.

Research Student Dalhousie University   *June – August, 2003*
For Dr. Richard Wood (Dept. of Mathematics, Dalhousie) I researched some elementary relationships and mathematical structures concerning multiplicative functions: Euler's φ-function and the like.

Visiting Researcher Université de Neuchâtel   *March 15 – June 4, 2007*

I spent the time from March to June 2007 in Neuchâtel, Switzerland to do research with Jean-Yves Béziau, and help organize a conference on the square of opposition (see below).

SERVICE TO THE PROFESSION	*Refereeing* Fund for Scientific Research-FRNS-Belgium Inquiry Erkenntnis Synthese Journal of Philosophical Logic Review of Symbolic Logic Logica Universalis Polish Journal of Philosophy Annual Meeting of the Canadian Philosophical Association Annual Meeting of the Western Canadian Philosophical Association Conference proceedings of The First Congress on Universal Logic

Conferences

Co-Organizer of The International Congress on the Square of Opposition 2007 This Conference took place June 1-3, 2007 in Montreux, Switzerland. At this conference I preformed regular administrative duties (registration, etc.)and dealing with participants. I was also responsible for putting together the conference program in LaTeXand contacting the participants and invited speakers concerning their abstracts.

Co-Organizer of Trends in Logic 14: The Road Less Travelled This Conference took place July 8-11, 2014 in Ghent, Belgium. For this conference I preformed administrative duties such as, assigning and administering referee reporting, applying for funding (the application was accepted), correspondence with participants, and aided in putting together the conference booklet.

Organizer of World Logic Day in Alberta 2019-Present. This conference is an annual celebration of logic all over the world and since 2019 I have been organizing a series of talks to celebrate the day. Each year it has been growing, and due to the pandemic it was forced online which has helped make it an Alberta-wide event. Since 2021 it has been held on Zoom and in 2023 we had a full day of talks from 10am-5pm.

SERVICE

President of the Dalhousie University Mathematics Society   *September, 2003 - August, 2004* Various administrative duties involved with creating and maintaining an Intellectual community, including voting in meetings, as the representative of the mathematics society, of the Science Society concerning grant distributions and funding.

President of the 2004 Canadian Undergraduate Mathematics Society This position required the organization of the conference, i.e. conference program, venue booking, meal planning, Scheduling, and, inviting speakers. That year William Lawvere agreed to speak at the conference. I also had to present reports to the Student Committee of the Canadian Mathematics Society at the winter meeting and submit a written report after the conference.

Graduate Referee and Layout Editor Corvus: Dalhousie University's Undergraduate Journal of Philosophy 2006 This required that I referee undergraduate papers submitted to the journal for publication. I was also the layout editor; I typeset the journal in LaTeX.

Referee University of Calgary graduate philosophy conference September 2007

Organizer Graduate Philosophy Colloquium, University of Calgary 2008-12

Graduate Student Representative for the University of Calgary's Philosophy Department Meetings 2009-12

Volunteer Calgary Public Library:

Facilitator for the Calgary Public Library's ESL conversation program Nov 2016-present. I choose or create and run activities to help ESL learners—from many different linguistic and cultural backgrounds—practice speaking English. I also help them with questions concerning grammar, pronunciation and word meaning while they complete the activities.

Cracking the Code Facilitator Sept 2016-present. I help parents and children play games which teach principles of computer programming.

REFERENCES   Nicole Wyatt, Philosophy, University of Calgary, nicole.wyatt@ucalgary.ca +1 403 220 3166

Paul Bartha, Philosophy, University of British Columbia, paul.bartha@ubc.ca Ph: +1 604 822 2621

Catarina Dutilh Novaes, University of Groningen, c.dutilh.novaes@rug.nl +31 50 363 6151

Richard Zach, Philosophy, University of Calgary, rzach@ucalgary.ca Ph: +1 403 220 3170

John Woods, Philosophy, University of British Columbia, john.woods@ubc.ca