

RYAN MICHAEL MILLER

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AREAS OF SPECIALIZATION

Metaphysics (esp. emergence, mereology, time, material constitution, Aristotelianism)

Philosophy of Science (esp. quantum physics, chemistry, computing, modeling, explanation)

AREAS OF COMPETENCE

Ethics, Logic, Political Theory, Aesthetics, Religion, Bioethics, Ancient, Medieval, Modern

EDUCATION

Ph.D. University of Geneva, Doctorat ès Lettres December 2025 (expected)

Thesis: “Quantum Considerations in the Metaphysics of Levels” [[précis](#), [video précis](#)]

Committee: Claudio Calosi (supervisor), Christian Wüthrich (co-supervisor), Fabrice Correia (chair), Elise Crull (CUNY), Aaron Cotnoir (St Andrews)

Research groups: Metaphysics of Quantum Objects, *eidos* (metaphysics), Symmetry (philosophy of physics), AMPhi (ancient and medieval philosophy)

Audited *Quantum Field Theory I & II*, *Advanced Particle Physics I & II*, *Statistical Thermodynamics*, *Strongly Correlated Systems*

Summer schools: Metaphysics of Science (Robin Hendry, Durham), Truthmaker Semantics (Kit Fine, NYU), Social Ontology (Åsa Burman, Stockholm), Metaphysics of Relations (Anna Marmodoro, Durham), Physical Geometry (Tim Maudlin, NYU), Metaphysics of Pregnancy (Elselijn Kingma, KCL)

Visiting Ph.D. Student New York University & City University of New York Spring 2024

Advisors: Tim Maudlin (NYU), Elise Crull (CUNY)

M.Litt. University of Saint Andrews, Master of Letters in Philosophy December 2019
With Distinction

Thesis: “The Mereology of Emergence” [[preprint](#)]

Advisor: Aaron Cotnoir

Audited *Quantum Theory of Atoms in Molecules* and *Electronic Structure Theory*

Reading groups: Greek (Sarah Broadie), Conceptual Engineering (Kevin Scharp)

Ph.L. The Catholic University of America, Licentiate in Philosophy May 2018
With Honors

Thesis: “The Unity of the Concept of Matter in Aristotle” [[précis](#), [fulltext](#), [citations](#)]

Advisor: Jean De Groot, Reader: Thérèse-Anne Druart

B.A. Thomas Edison State University, Liberal Studies September 2013
Concentrations in Philosophy, Mathematics, and International Studies

HONORS AND AWARDS

Talk Honorarium, Angelicum Thomistic Institute
2025 (\$320)

Doc.CH Dissertation Fellowship, Swiss National Science Foundation
2022 – 2024 (\$210,000) [Primary Investigator for grant [207186](#)]

Faculty Expert – Artificial Intelligence, City University of New York – Lehman College
2024

Supplemental Mobility Grant, Swiss National Science Foundation
2024 (\$11,000) [grant 207186/3]

Online Course Development Stipend, City University of New York – Lehman College
2024 (\$1100)

Sanders Graduate Student Award (in metaphysics), American Philosophical Association
2023 (\$1000) [[announcement](#)]

Supplemental Flexibility Grant, Swiss National Science Foundation
2023 (\$6000) [grant 207186/2]

Talk Honorarium, Aquinas Institute, Blackfriars Hall, Oxford University
2023 (\$645)

Early Career Travel Grant, National Science Foundation (USA)
2022 (\$456), 2024 (\$827)

Graduate Student Travel Stipend, American Philosophical Association
2022, 2023 (\$300)

Metaphysics of Relations Summer School Bursary, University of Italian Switzerland
2022 (\$250)

Seminar on Teaching and Learning in Philosophy, Am. Assoc. of Philosophy Teachers
2021 (\$175)

Contributed Paper Travel Reimbursement, American Catholic Philosophical Association
2019, 2020, 2021 (\$500)

Graduate Student Stipend, Canadian Society for the History and Philosophy of Science
2021 (\$75)

Faculty Research Bursary, Catholic Theological Institute
2019 (\$550)

Summer of Code Open Source Grant, Google
2005 (\$5000)

EDITED VOLUMES

The Lonergan Enterprise in Philosophy, University of Toronto Press (accepted proposal).

Thomistic Metaphysics, *dialectica* 78:3, 2024 (in press) [[online first](#)].

REFEREED PAPERS

“Thomistic Foundations for Moderate Realism About Mathematical Objects” in *Vetera Novis Augere: Le risorse della tradizione tomista nel contesto attuale*, volume II, ed S-T. Bonino and L.F. Tuninetti. Rome: Urbaniana University Press, in press [[preprint](#)].

“The Irreducibility of Chemistry to Everettian Quantum Mechanics,” *Foundations of Chemistry*, online first [[open access doi](#)].

“Clerical and Lay as Analogous Terms,” *Nova et Vetera* 22:4, 2024 [[preprint](#), [doi](#)].

“Does Artificial Intelligence Use Private Language?” in *What Can Be Shown Cannot Be Said: Proceedings of the International Ludwig Wittgenstein Symposium 2021*, ed. I. Skelac and A. Belić. Vienna: Lit Verlag, 2023 [[preprint](#), [book](#)].

Reviewed by Noah Greenstein in *Philosophy Roulette* 427 [[watch](#)]

“Best Practices for Oral Exams,” *AAPT Studies in Pedagogy* 8, 2023 [[preprint](#), [doi](#)].

“Chemical Reduction and Quantum Interpretation: A Case for Thomistic Emergence,” *Foundations of Chemistry* 25:3, 2023 [[open access doi](#), [citations](#)].

“Aquinas’s Science of *Sacra Doctrina* as a Platonic *Technê*,” *Revista Portuguesa de Filosofia* 79:1/2, 2023 [[preprint](#), [doi](#), [jstor](#)].

“Holding Large Language Models to Account” in *Proceedings of the AISB Convention*, ed. B. Müller. Swansea: Society for the Study of Artificial Intelligence and the Simulation of Behaviour, 2023 [[preprint](#), [open access book](#), [citations](#)].

“Non-rational Belief Paradoxes as Byzantine Failures,” *Logos and Episteme* 13:4, 2022 [[open access doi](#)].

“80,000 Hours for the Common Good: A Thomistic Appraisal of Effective Altruism,” *Proceedings of the American Catholic Philosophical Association* 95, 2021 [[preprint](#), [doi](#), [citations](#)].

“‘The Diagram is More Important than is Ordinarily Believed’: A Picture of Lonergan’s Cognitional Structure,” *Lonergan Review* 12, 2021 [[preprint](#), [doi](#)].

“Aesthetic Truth Through the Ages: A Lonerganian Theory of Art History,” *Proceedings of the American Catholic Philosophical Association* 94, 2020 [[preprint](#), [doi](#)].

“Perennial Symmetry Arguments: Aristotle’s Cosmology and Noether’s First Theorem,” *Proceedings of the American Catholic Philosophical Association* 93, 2019 [[preprint](#), [doi](#)].

PAPER PRESENTATIONS (R=REFEREED / I=INVITED; TITLES SOMETIMES VARY)

“Feynman Diagrams as a Model of Potential Parthood,”

Australasian Association of Philosophy, July 2025 (R)

eidos Centre for Metaphysics, Geneva, October 2024 (I)

Department of Physics, State University of New York at Albany, April 2024 (I)

Philosophy of Particle & High Energy Physics, University of Pittsburgh, March 2022 (R)

“Virtue Ethics Training for LLMs” (with C. Martinucci),

4th International Conference on the Ethics of Artificial Intelligence, July 2025 (R)

“Intentional Transformer Models are Ruled out by Lack of Homeostasis,”
Natural and Artificial Intelligence, University of Lisbon, May 2025

“Material Atomism’s Quantum Problems” (dissertation chapter two),
Quantum Mechanics: Physical and Metaphysical Issues, Bucharest, May 2025 (R)
Society for the Metaphysics of Science Annual Conference, August 2024 (R)
Philosophy of Science Association Biennial Meeting Contributed Paper, November 2022 (R)
German Society for Philosophy of Science Triennial Meeting, TU Berlin, August 2022 (R)
Geneva Symmetry Group, April 2022 (I)
Philosophy of Physics Working Group, German Physical Society, September 2021 (R)

“Lonergan’s Oddly Strong Theory of Emergence” (dissertation chapter four),
Hylomorphism in the Sciences, Angelicum Thomistic Institute, March 2025 [[watch](#)] (I)
Lake Geneva Biological Interest Group, December 2024 (I)
Triennial European Congress in Analytic Philosophy, University of Vienna, August 2023 (R)
Society for the Metaphysics of Science Annual Conference, August 2023 [[watch](#)] (R)
Arché Metaphysics and Logic Seminar, University of St Andrews, April 2023 (I)
Philosophy Research Seminar, University of Lausanne, December 2022 (I)
eidos Centre for Metaphysics, Geneva, December 2022 (I)

“Looking for Levels” (dissertation chapter one),
Australasian Association of Philosophy, October 2024 (R)
Lake Geneva Biological Interest Group, April 2024 [[watch](#)] (I)
Society for the Metaphysics of Science Session, APA Eastern Division, January 2024
eidos Centre for Metaphysics, Geneva, November 2023 (I)

“Aquinas’s Aristotelian Answer to the Problem of Material Constitution,”
International Colloquium on Bonaventure and Aquinas, Lisbon, October 2024 (R)
Aquinas After 750 Years Conference, Dominican House of Studies, September 2023 (R)
eidos Centre for Metaphysics, Geneva, December 2020 (I)
Arché Metaphysics Seminar, University of St Andrews, May 2019 (I)

“The Irreducibility of Chemistry to Everettian Quantum Mechanics,”
International Workshop on the Metaphysics of Chemistry, UCLouvain, July 2024 (R)
International Society for Philosophy of Chemistry, July 2024 (R)

“The Modeling Revolution: A Case Study in Descartes’ *Optics*,”
International Society for the History of Philosophy of Science Biennial, July 2024 (R)
NYC Early Modern Philosophy Workshop, July 2021 (R)
Canadian Society for the History and Philosophy of Science Annual Meeting, May 2021 (R)

“Constitutional AI as Training in Virtue,”
Binary Morality Workshop, University of Hradec Králové, May 2024 (R)
2nd International Conference on the Ethics of Artificial Intelligence, November 2023 (R)

“Emerging Intelligence: How Big Black Boxes Demonstrate Novel Behaviors,” public symposium on artificial intelligence, CUNY – Lehman College, April 2024 [[watch](#)]

“Lexical Negotiations: An Economic Model for Conceptual Engineering,”
Empirical Conceptual Engineering Workshop, University of Zurich, December 2023 (R)
Swiss Philosophical Society, August 2023 (R)
Arché Language and Mind Seminar, University of St Andrews, April 2023 (I)
Political Philosophy of Language Workshop, University of Pittsburgh, September 2022 (I)
Philosophy Seminar Series, National University of Singapore, August 2022 (I)
APA Eastern Divisional Program Submitted Colloquium, January 2022 (R)
International Network for Economic Method, Arizona State University, November 2021 (R)

“Spivak on Truth: A Genealogy of Identity,”
Truth, Aquinas, and Continental Philosophy, Oxford University, December 2023 (I)

“Aristotle’s Mixt Legacy: Prime and Elemental Matter,”
Empedocles in Sicily, Fonte Aretusa, Syracuse, November 2023 (R)
Aquinas and ‘the Arabs’ IWG Graduate Conference, Marquette University, March 2022 (R)
Matter and its Correlates Conference, Catholic University of Milan, January 2021 (I)

“Aristotelian Grounding for GRW’s Flash Ontology” (dissertation chapter five),
UNESCO International Ontology Congress, San Sebastián, October 2023 (R)
European Philosophy of Science Association Biennial, September 2023 (R)
Philosophy of Physics Seminar, University of Lisbon, May 2023 (I)
Society for the Metaphysics of Science Session, APA Eastern Division, January 2023
Panhellenic Conference on Philosophy of Science Contributed Paper, December 2022 (R)
Philosophy of Physics Working Group, German Physical Society, March 2022 (R)

“Naturalized Normative Political Unity: An Emergent Descriptive Theory of Sovereignty,”
Geneva Colloquium in Political Theory, Faculty of Social Sciences, October 2023 (I)
Social Ontology Summer School, University of Neuchâtel, June 2023 (R)
Angelicum Thomistic Institute, April 2023 (R)
Social Ontology and Collective Intentionality, August 2021 [[watch](#)] (R)
University of Hong Kong Legal and Political Theory Graduate Conference, May 2021 (R)

“A Defense of Narrow Pacifism,”
Society for Christian Bioethicists, October 2023 (R)

“Insensitive Knowledge,”
ALEF, Institute of Advanced Studies, Babeş-Bolyai University, October 2023 (R)
SOPhiA Graduate Conference, University of Salzburg, September 2021 (R)

“Priority Monism’s Quantum Problems” (dissertation chapter three),
IQOQI, Austrian Academy of Sciences, Vienna, August 2023 (I)
Spanish Society for Analytic Philosophy Symposium Paper, December 2022 (R)
Philosophy of Science Group, National University of Singapore, August 2022 (I)
Society for the Metaphysics of Science Annual Conference, September 2021 (R)
Geneva Symmetry Group, March 2021 (I)

“Evolution, not Revolution, in Elemental Definition,”
International Society for Philosophy of Chemistry, July 2023 (R)

“Fine’s Merely Intelligible Matter,”
Kit Fine Summer School, Conference of Western Swiss Universities, June 2023 (I)

“Thomistic Quantity and Cantorian Number,”
Aristotelian Philosophy of Mathematics Workshop, University of Geneva, June 2023 [[watch](#)]
Lonergan Institute at St. Anselm’s Abbey (Washington, DC), March 2016 (I)

“Special Relativity’s Lessons for Quantum Mechanics: Two Case Studies” (with T. Riedel),
Joint Geneva-Lausanne Workshop on the Physics of Time, May 2023 (I)

“Scientific Writing as Representational? AI Enters the Chat,”
IHPST Graduate Conference, University of Toronto, May 2023 (R)

“Race as a Constructed Cause,”
UNC – Charlotte Ethics and Applied Philosophy Graduate Conference, April 2023 (R)
Notre Dame History and Philosophy of Science Graduate Conference, May 2021 (R)

“Artifacts: Ontology as Easy as it Gets” (won 2023 APA Marc Sanders graduate award),
APA Eastern Divisional Program Submitted Symposium, January 2023 (R)
Social Ontology and Collective Intentionality, University of Vienna, August 2022 (R)
eidōs Centre for Metaphysics, Geneva, December 2021 (I)

“Chemical Reduction and Quantum Interpretation,”
Panhellenic Conference on Philosophy of Science Symposium Paper, December 2022 (R)
Quantum Chemistry Group, University of Geneva, November 2022 (I)
International Society for Philosophy of Chemistry, August 2022 [[watch](#)] (R)

“Non-rational Belief Paradoxes as Byzantine Failures,”
Philosophy Seminar Series, Nanyang Technical University – Singapore, August 2022 (I)
Formal Methods and Science in Philosophy, IUC Dubrovnik, April 2022 (R)

“From Religious to Moral Conversion,”
Franciscan Study Center & Thomas Instituut, Tilburg University, June 2022 (R)

“Does Artificial Intelligence Use Private Language?”

University of Illinois at Urbana-Champaign Philosophy Graduate Conference, April 2022 (R)
Wittgenstein and the Formal Sciences Workshop, ETH Zurich, January 2022 (I)

“The Promise and Limits of Effective Altruism for Christians: A Thomistic Appraisal,”
Effective Altruism for Christians Workshop, University of Fribourg, March 2022 (R)

“Principled Centrism in an Unprincipled Age,”

Lonergan on the Edge Graduate Conference, Marquette Univ., September 2020 [[watch](#)] (R)
“*Clerical* and *Lay* as Analogous Terms,”
Faculty Research Colloquium, Catholic Theological Institute, February 2020 (I)

“Conceptual Engineering in Software Systems,”

Arché Conceptual Engineering Seminar, University of St Andrews, June 2019 (I)

“From Practical Reason to Natural Law,”

Lonergan on the Edge Graduate Conference, Marquette Univ., September 2012 [[listen](#)] (R)

“The Periodic System as a Theory of the Elements,”

Third International Conference on the Periodic Table, Cusco Peru, August 2012 (R)

“Defining the Elements: Lonergan’s More Realist Internal Realism,”

International Society for Philosophy of Chemistry, KU Leuven, August 2012 (R)

“The Aesthetic Pattern of Experience in Susan Sontag and Bernard Lonergan,”

New Aesthetic Conference, Columbia University and The New School, January 2012 (I)
Lonergan on the Edge Graduate Conference, Marquette Univ., September 2011 [[listen](#)] (R)

“The Diagram is More Important Than is Ordinarily Believed,”

West Coast Methods Institute, Loyola Marymount University, March 2011 [[listen](#)] (R)

MEDIA INTERVIEWS

“To Allow or Not to Allow AI in Schools?” interview with Izania Gonzalez, *The Riverdale Press*, 12 May 2024 [[fulltext](#)].

“Uses and Abuses of Artificial Intelligence in Political Campaigns,” *BronxTalk* interview by Gary Axelbank for BronxNetTV (NYC Channel 33/67), February 2024 [[watch](#)].

“These people knew they were part of one worshipping community,” *Signposts* interview for The Coming Home Network International, April 2017 [[watch](#)].

SERVICE TALKS (PUBLIC PHILOSOPHY, PEDAGOGY, GUEST LECTURES, COMMENTS, ETC.)

“Perusall as Foundational Scaffolding for the Canon,” Perusall Exchange, May 2025 [[watch](#)]

“Agile Teaching in the Age of AI,” APA Eastern Division Teaching Hub, January 2025

Comments on “Predication and Progress: How Aristotle Defines the Soul” by Ashley Attwood, APA Eastern Divisional Program Submitted Symposium, January 2025

“The Vocation of the Laity,” Theology on Tap Geneva, November 2024

Comments on “Four Dimensional Persistence in the Many Worlds Interpretation” by Jerome Romagosa, Society for the Metaphysics of Science, August 2024

“Aristotle’s Understanding of the Intellect,” *De Anima* Workshop, Conference of Western Swiss Universities, September 2023

Comments on “De-centering the Everett Interpretation” by Jerome Romagosa, Society for the Metaphysics of Science, August 2023 [[watch](#)]

“Kit Fine’s Hylomorphism,” Kit Fine Summer School, Conference of Western Swiss Universities, June 2023

“From Specifications Grading to Agile Grading Practices,” Talking/Teaching Session, American Association of Philosophy Teachers, October 2022

“Wittgenstein’s Private Language Argument: A Historiography,” Analytic Attention to the History of Philosophy Workshop, Conference of Western Swiss Universities, October 2022

“Aquinas on the Trinitarian Relations via Lonergan’s Four-Point Hypothesis,” Trinitarian Theology in Christian-Muslim Encounters Panel, Augustana College, October 2022 [[watch](#)]

“Mill’s Aggregation Principle in Rawls and MacAskill,” Analytic Attention to the History of Philosophy Workshop, Conference of Western Swiss Universities, September 2022

“Roots of the Thomist-Scotist Dispute on Analogy,” Analytic Attention to the History of Philosophy Workshop, Conference of Western Swiss Universities, June 2022

“Aristotle’s Definition of the Soul,” *De Anima* Workshop, Conference of Western Swiss Universities, May 2022

“Aquinas on the Good of Contemplation,” Comparative Philosophical Mysticism Seminar, Augustana College, April 2022

“A Tension in Effective Altruist Responses to the Institutional Objection,” Effective Altruism Switzerland, February 2022

“The Eleatic Legacy in Descartes and David Lewis,” Analytic Attention to the History of Philosophy Workshop, Conference of Western Swiss Universities, February 2022

Comments on “Two Objections to a Broad Scope Theory of Intention” by Harrison Lee, American Catholic Philosophical Association Conference, November 2021

“Why Study Philosophy of Science?” Shenzhen College of International Education, November 2021

Comments on “Reconciling Individual and Society: Social Mereology in Anonymous Iamblich,” by Anders Sørensen, Part and Whole in Antiquity Conference, University of Leuven, September 2021

Comments on “Does the Primitive Ontology of GRW Rest on Shaky Ground?” by Cristian Mariani, Society for the Metaphysics of Science, September 2021

“Using a Case-Study Approach in Upper Division Courses for Non-Majors,” APA Eastern Division Teaching Hub, January 2021

“Aquinas’s Eucharistic Theology via Lonergan’s Four-Point Hypothesis,” Aquinas Study Group, St. John’s (MA), October 2020

“Aquinas on the Metaphysics of Separate Substances,” Beatrice Institute, University of Pittsburgh, October 2020

“Resources for Teaching Philosophy Asynchronously,” Catholic Theological Institute Faculty Development Workshop, April 2020

Comments on “Thermal Substances: A Neo-Aristotelian Ontology of the Quantum World” by Rob Koons, American Catholic Philosophical Association Conference, November 2019

“The Limits of Charitable Reading,” Minorities and Philosophy Group, University of St Andrews, June 2019

“Evaluating Arguments Against the Existence of God,” Chaplaincy Talk, Marymount University of Virginia, September 2016

“St. Benedict Joseph Labre: Tramping with the Cross,” Lenten Talk, Dominican House of Studies, March 2015 [[listen](#)]

“Defining Miracles: When Philosophy of Science and Philosophy of Religion Collide,” Templeton Honors College Colloquium, Eastern University, November 2012

“Discovering Ontology in Chemistry,” Philopolis Applied Philosophy Conference, University of Montreal, October 2012

“Rhonheimer and Lonergan on Practical Reason and Natural Law” (with G. Mongeau SJ), Afternoon Workshop at the Boston College Lonergan Workshop, June 2012

“A New Anti-Reductionist Approach in Philosophy of Chemistry,” Philopolis Applied Philosophy Conference, University of Guelph, March 2012

TEACHING EXPERIENCE

University of Saint Thomas, Houston

MATH2301 *Quadrivium: The Mathematical Arts* (Fall 2025): designed fully asynchronous online course introducing the use of mathematics in the study of nature through Euclid's *Elements*, Boethius' *Fundamentals of Music*, Kepler's *New Astronomy* and *Harmonies of the World*, Galileo's *Two New Sciences*, and Maudlin's *New Foundations for Physical Geometry*. Assessment will be by problem sets, Perusall, and project presentation.

LS2301 *History and Philosophy of Science* (Summer 2025): teaching fully asynchronous online course focusing on the development of physics from Aristotle and Ptolemy through Galileo and Newton to Einstein and Bell, using DeWitt's *Worldviews* as the primary text. Assessment is based on Perusall, oral exams, and presentations.

PHIL1301 *Human Nature* (Winter 2025): taught fully asynchronous online course introducing the philosophy of nature and the human person through Plato's *Phaedo*, Aristotle's *Physics*, and Aquinas's *Summa Theologiae* in accordance with the university's mission. Assessment was based on Perusall, oral exams, a brief paper, and presentations.

Catholic Theological Institute, Papua New Guinea

PH203/4/5 *Diploma Thesis in Philosophy*: advised the following 3cr undergraduate papers—

- S. Berom (2020), “The Purpose of Punishment: Retribution or Deterrence?”
- J. Gautai (2020), “Defending Kantian Ethics Against Contemporary Critics”
- T. Haroman (2020), “Establishing a Hierarchy of Pleasures for Utilitarians”
- J. Keskala (2020), “Liberal Correctives to Communitarianism in PNG”
- J. Migi (2020), “Aristotelian Principles for Land Use Regulation in PNG”
- C. Ruarri (2020), “Aquinas Among Thomists on Our Natural Final End”
- E. Sakat (2020), “How Christian is Kant's Ethics?”

PH104 *Intro. Philosophy of Science* (Summer 2020/2025 [[syllabus](#)]): designed course to explore the mutual influence of philosophy and science over their shared history. In addition to the classic material on scientific methods (Aristotle, Popper, and Kuhn), the course focused on three major shifts in the history of science: the discovery of the expansion of the universe, the shift from Aristotelian to modern chemistry, and the growth of the chemical paradigm in biology. Assessment was based on short papers and in-class written exams.

PH105 *Philosophy of the Human Person* (Summer 2025): designed course centered on Aristotle's *De Anima* and questions I.75-93 and I-II.1-10 from Aquinas's *Summa Theologiae* with contrasting readings from Plato and MacIntyre. Assessment was based on reading quizzes, textual annotations and summaries, and a presentation updating a *Summa* article. This was the first course at CTI to use an online learning management system.

PH210 *Political Philosophy* (Fall 2019/Summer 2025): designed compressed six-week course, with special emphases on contrasts and syntheses of ancient and modern views and Melanesian applications of Western political thought. Assessment was based on an oral midterm and a term project applying political theory to a particular Melanesian political dispute, with oral and written components.

PH102 *Informal Logic* (Spring 2020/Summer 2025): designed course around the analysis and evaluation of arguments, informal fallacies, graphical methods for syllogistic reasoning, and applications to ethics, using Sinnott-Armstrong and Fogelin's *Understanding Arguments* as the course text. Assessment was based on a traditional homework and in-class written exam.

PH101 *Intro. Philosophy* (Spring 2025): designed course around dialectics in ancient philosophy, particularly the pre-Socratics, *Phaedo* and the alpha books of Aristotle's *Physics*, *Metaphysics*, and *Nicomachean Ethics*. Assessment was based on Perusall and oral exams.

PH208 *Intro. Ethics* (Summer 2020/Spring 2025 [[syllabus](#)]): designed course around the moral theories of Plato, Aristotle, Aquinas, Hume, Kant, and Mill. Students were assessed via a major project applying one of the studied theories to an ethics case from the Texas McCombs School of Business collection through an oral presentation and term paper.

PH202 *Contemporary Analytic Philosophy* (Spring 2020): designed course around the explanation, epistemology, and free-will sections of Nozick's *Philosophical Explanations*, with student presentations contrasting the material to other widely-cited recent texts. Assessment included developing the presentation into a paper and an oral examination.

PH302 *Formal Logic* (Spring 2020): designed course on both propositional and categorical logic, focusing on informal semantics, formal semantics, and natural deduction, using Hausman, Kahane, and Tidman's *Logic and Philosophy* as the course text. Assessment was based on a traditional homework and written final exam model.

PH211 *Philosophy of Art and Beauty* (Fall 2019, with B. Zimmerman): designed team-taught course, with special emphases on the comparison of ancient, medieval, and modern views and applications to indigenous Melanesian art. Assessment was based on an oral midterm and a term project applying aesthetic theory to a particular work of art, with oral and written components.

C203/C301 *Intermediate Latin* (Fall 2019/Spring 2025): The transition to reading extant philosophical and theological texts.

Center for AI Safety

AI Safety, Ethics, and Society (Summer 2024/Spring 2025 [[syllabus](#)]): led synchronous online seminar investigating machine learning fundamentals, safety engineering, AI ethics, and governance using Hendrycks' *Introduction to AI Safety, Ethics, and Society* as the course text. Assessment was based on individual final projects.

City University of New York

LEH355W *Capstone Studies in Philosophy, Theory, and Abstract Thinking: Philosophy of Artificial Intelligence* (Spring 2024 [[syllabus](#)]): designed senior non-majors writing-intensive asynchronous hybrid course investigating philosophy of language, philosophy of mind, and applied ethics through the lens of Large Language Models. Assessment was based on using ChatGPT to produce work and then revising and criticizing those outputs.

PHIL10200C *Introduction to Philosophy* (Spring 2024 [[syllabus](#)]): designed course focused on Plato's *Gorgias* in dialogue with later and non-Western thinkers in epistemology, ethics, political philosophy, philosophical anthropology, and philosophy of religion. Assessment was based on reading quizzes, oral exams, and scaffolded term papers.

University of Geneva, Switzerland

MA6 *Philosophy of Physics: The Physics of Time* (Fall 2023, with C. Wüthrich & T. Najafi [[syllabus](#)]): designed team-taught interdisciplinary graduate course covering substantivalism in classical mechanics, time dilation in special relativity, closed time-like curves in general relativity, the thermodynamic basis of the arrow of time, and the emergence of time in quantum gravity. Course was conducted as a seminar with evaluation based on student presentations and term papers.

MA3 *The Metaphysics of Quantum Mechanics* (Fall 2023, with C. Calosi & T. Riedel [[syllabus](#)]): designed team-taught interdisciplinary graduate course covering the experimental basis of quantum mechanics and Bell's theorem, realist interpretations of quantum mechanics (Everettian many worlds, Bohmian pilot waves, and GRW objective collapse), and less realist interpretations including orthodox and relational quantum mechanics. Course was conducted as a seminar with evaluation based on student presentations and term papers.

St. Anselm's Abbey School, Washington DC

R068 *Philosophy of Religion* (Spring 2018, as TA): gave 30% of lectures, including basics of modal logic, Scotus's modal argument for God's existence, Aquinas's account of human freedom, Hume's argument against miracles, and Plantinga's account of warranted belief. Chose assigned readings for lectures; participated in design and evaluation of assessments.

R066 *Bioethics* (Fall 2017, as TA): gave 30% of lectures, including embryology, Thomson's argument for the justification of abortion, biological ontology, and rule utilitarianism. Chose assigned readings for lectures; participated in design and evaluation of assessments.

PROFESSIONAL SERVICE

Philosophy and Humanities Discipline Leader

Catholic Theological Institute, February 2025 – Present

Associate Editor, *dialectica*

European Society for Analytic Philosophy, February 2021 – Present

Representative to the Eastern Division of the American Philosophical Association
Society for the Metaphysics of Science, February 2022 – Present

Representative to the Eastern Division of the American Philosophical Association
Philosophy of Physics Society, June 2023 – Present

Member, Teaching Hub Committee
American Association of Philosophy Teachers, January 2023 – December 2026

Peer Reviewing
Synthese (x5), *Erkenntnis* (x6), *Inquiry*, *European Journal for Philosophy of Science* (x2),
Foundations of Chemistry, *Minds and Machines*, *Res Philosophica*, *Acta Analytica*, *Dialogoi*
(x2), *TheoLogica*, *Lonergan Review*, *Aporia*

Co-Organizer, “Quantum Foundations” Workshop
University of Geneva, December 2023

Organizer, “Aristotelian Philosophy of Mathematics” Workshop
University of Geneva, June 2023 [[watch](#)]

Host-Mentor, Philosophy Internship for High School Students
University of Geneva, June 2023

Co-Organizer, “Teaching Philosophy to STEM Students” AAPT Pedagogy Session
APA Eastern Division Teaching Hub, January 2023 [[Cfp](#)]

Co-Organizer, “Location, Location, Location” Workshop
University of Geneva, November 2022

Organizer, “Religion in the Philosophy Classroom” AAPT Pedagogy Session
APA Eastern Division Teaching Hub, January 2022 [[Cfp](#)]

Co-Organizer, “The Nature of Quantum Objects” Conference
Metaphysics of Quantum Objects Project, University of Geneva, November 2021 [[abstracts](#)]

Acting Academic Dean (sabbatical coverage)
Catholic Theological Institute, Summer 2020

Faculty COVID-19 Response Coordinator
Catholic Theological Institute, Spring 2020

Writing Center Faculty Liaison
Catholic Theological Institute, 2019 – 2020

Judge, John Stuart Mill Cup in Philosophy and Public Affairs for Secondary Students
Centre for Ethics, Philosophy, and Public Affairs at the University of St Andrews, June 2019

PROFESSIONAL TRAINING

International Society for History of Philosophy of Science Mentorship Scheme

Mentor: Maarten Van Dyck (Ghent), 2024

International Social Ontology Society Mentorship Scheme

Mentor: Michael Raven (Victoria / Washington), 2023-24

Enhancing Online Courses with Open Educational Resources

City University of New York – Lehman College, 6-17 May 2024

Online Teaching Workshop

City University of New York – Lehman College, 18-31 March 2024

First Generation and Low-SES Student Pedagogy

American Association of Philosophy Teachers, APA Eastern Division, 17 January 2024

Recording Course Meetings: Pros, Pitfalls, and Best Practices

University of Geneva Pedagogy Series, 3 October 2023

Instructor Development Workshop

Louisiana State University, 10-14 July 2023

Mental Health and Boundaries: Caring for Students in a Professional Context

American Association of Philosophy Teachers, APA Eastern Division, 5 January 2023

Seminar on Teaching and Learning in Philosophy

American Association of Philosophy Teachers, 9-16 August 2021

Teaching History and Philosophy of Science via Experiential Learning

Canadian Society for History and Philosophy of Science pedagogy session, 2 June 2021

Effective Grant Writing

Conference of Western Swiss Universities, 3 and 31 May 2021

Undergraduate Mentoring

APA Mentoring the Mentors Workshop, 17 April 2021

Teaching Philosophy Online

American Association of Philosophy Teachers, APA Pacific Division, 7 April 2021

Collaborative Assignments and Community in Online Classes

American Association of Philosophy Teachers, APA Central Division, 25 February 2021

Teaching Asian Philosophical Classics

American Association of Philosophy Teachers, APA Eastern Division, 8 January 2021

Designing Assessments to Build Writing Competence

Faculty Development Workshop, Catholic Theological Institute, 16 July 2020

Teaching Informal Logic with Argument Diagrams

Association for Critical Thinking, APA Eastern Division, 10 January 2020

Teaching Core Texts: Aristotle's Nicomachean Ethics

American Association of Philosophy Teachers, APA Eastern Division, 9 January 2020

Building Student Curiosity in Introductory Courses

American Association of Philosophy Teachers, APA Eastern Division, 9 January 2020

Teaching Introductory Philosophy Courses: New Approaches

American Association of Philosophy Teachers, APA Eastern Division, 9 January 2019

PROFESSIONAL AFFILIATIONS

American Philosophical Association

The Aristotelian Society

Philosophy of Science Association

Society for the Metaphysics of Science

Philosophy of Physics Society

International Society for the Philosophy of Chemistry

International Society for the History of Philosophy of Science

Society for the Study of Artificial Intelligence and Simulation of Behaviour

American Catholic Philosophical Association

American Association of Philosophy Teachers

Australasian Association of Philosophy

Lonergan Philosophical Society

The Sydney School for Aristotelian Philosophy of Mathematics

Society for Science and the Public

LANGUAGES

English (fluent), Latin (advanced reading), French (intermediate reading; B1 oral), German (intermediate reading; A2 oral), Greek (elementary reading)