Maralee Harrell
Curriculum Vitae

University of California, San Diego, Department of Philosophy
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Academic Career

2021 to date	University of California, San Diego, Teaching Professor, Department of Philosophy and School of Public Health
2016-2021	Carnegie Mellon University, Teaching Professor, Department of Philosophy
2009-2021	Carnegie Mellon University, Director of Undergraduate Studies, Department of Philosophy
2006-2016	Carnegie Mellon University, Associate Teaching Professor, Department of Philosophy
2003-2006	Carnegie Mellon University, Assistant Teaching Professor, Department of Philosophy
2000-2003	Colorado College, Assistant Professor, Department of Philosophy

Publications

Books:

2016   **Harrell**, M. *What is the Argument? An Introduction to the Practice of Philosophy*. Cambridge, MA: MIT Press.

Book Chapters:

2019   Danks, D, & **Harrell**, M. "Chaos, causation, and describing dynamics" in Waters, C.K. (ed.) Minnesota Studies in Philosophy of Science, Volume XXI, *Philosophical Perspectives on Causal Reasoning in Biology.*

2016   **Harrell**, M. "On the Possibility of Feminist Philosophy of Physics." In Cristina Amoretti & Nicla Vassallo, Eds. *Meta-Philosophical Reflection on Feminist Philosophies of Science.* New York: Springer. Pp. 15-34.

2015   **Harrell**, M, & Wetzel, D. "Using Argument Diagramming to Teach Critical Thinking in a First-Year Writing Course." In Martin Davies, Ron Barnett & Bob Ennis, Eds. *Palgrave Handbook of Critical Thinking in Higher Education.* New York: Palgrave Macmillan. Pp. 213-232.

Journal Articles & Conference Proceedings:

2019   **Harrell**, M. "Developing Engineering Students' Moral Reasoning Skills Using Problem Based Learning" *AAPT Studies in Pedagogy*, 5: 123-143.

2014   **Harrell**, M. "Review of *THiNK: Critical Thinking for Everyday Life* by Judith A. Boss" *Inquiry: Critical Thinking Across the Disciplines*, 28(3): 51-58.

2013   **Harrell**, M. "Improving First-Year Writing Using Argument Diagramming" *Proceedings of the 35th Annual Conference of the Cognitive Science Society*.

2012   **Harrell**, M. "Assessing the Efficacy of Argument Diagramming to Teach Critical Thinking Skills in Introduction to Philosophy" *Inquiry: Critical Thinking Across the Disciplines*, 27(2): 31-38.

2011   McLaren, B., Scheuer, O., **Harrell**, M., & Weinberger, A. "Will Structuring the Collaboration of Students Improve Their Argumentation?" In Gautam Biswas, Susan Bull, Judy Kay, & Antonija Mitrovic, eds., *Lecture Notes in Computer Science: Artificial Intelligence in Education—15th International Conference.* Berlin: Springer-Verlag, 6738: 544-546.

2011   McLaren, B., Scheuer, O., **Harrell**, M., & Weinberger, A. "Scripting Collaboration: What Affects Does it Have on Student Argumentation?" In T. Hirashima et al., eds., *Proceedings of the 19th International Conference on Computers in Education*. Chiang Mai, Thailand: Asia-Pacific Society for Computers in Education.

2011   **Harrell**, M. "Understanding, Evaluating and Producing Arguments: Training Is Necessary for Reasoning Skills" *Behavioral and Brain Sciences*, 34(2):80-81.

2011   **Harrell**, M. "Argument Diagramming and Critical Thinking in Introductory Philosophy," *Higher Education Research & Development*, 30(3): 371-385.

2008   **Harrell**, M. "No Computer Program Required: Even Pencil-and-Paper Argument Mapping Improves Critical Thinking Skills" *Teaching Philosophy*, 31: 351-374.

2007	**Harrell**, M. "Using Argument Diagramming Software to Teach Critical Thinking Skills" *Proceedings of the 5th International Conference on Education and Information Systems, Technologies and Applications.*
2006	Easterday, M. W., **Harrell**, M., & Kanarek , J. S. "Design Requirements of Argument Mapping Software for Teaching Deliberation." In Todd Davies and Beth Noveck, eds., *Online Deliberation: Design, Research, and Practice*. CSLI Publications.
2006	**Harrell**, M. "Diagrams That Really Are Worth Ten Thousand Words: Using Argument Diagrams to Teach Critical Thinking Skills" *Proceedings of the 28th Annual Conference of the Cognitive Science Society*.
2005	**Harrell**, M. "Using Argument Diagramming Software in the Classroom" *Teaching Philosophy*, 28: 163-177.
2005	**Harrell**, M. "Grading According to a Rubric" *Teaching Philosophy*, 28: 3-15.
2002	**Harrell**, M., & Glymour, C. "Confirmation and Chaos." *Philosophy of Science*, 69: 256-265.

Professional Presentations

Invited:

2021	"Incorporating Argument Mapping into Your Teaching" CIC New Directions in Teaching Philosophy, Baltimore, MD.
2019	"Student Challenges with Argument Mapping" Teaching Hub Presentation Session on Argument Mapping at the Central APA Conference
2018	"Using Psychology and Data Science to Teach Critical Thinking" Panel Discussion Presentation at the Association for Informal Logic and Critical Thinking Group Session at the at the Central APA Conference.
2017	"The Ethics of Time Travel" Spring 2017 CMUThink.
2016	"Students Learn Argument Diagramming Better with More Practice" Carnegie Mellon University Teaching & Learning Summit.
2015	"Why Science?" Colloquium Presentation at the Center for Philosophy of Science, University of Pittsburgh.
2014	"Chaos and Causation" 8th Conference on Causality in the Sciences: Causality and Complexity. Cologne, Germany.
2014	"Teaching Critical Thinking with Argument Diagrams in 76-101" with Danielle Wetzel. Inaugural Meeting and Symposium of the Global Learning Council. Pittsburgh, PA.
2013	"Argument Diagramming Online" Workshop on Educational Applications of Computer-supported Argumentation Tools, University of Pittsburgh Learning Research and Development Center.
2009	"Teaching Critical Thinking Online" North American Computing and Philosophy Conference.
2008	"Using iLogos in the Classroom" Panel Discussion Presentation Association for Informal Logic and Critical Thinking Group Session at the at the Central APA Conference.
2007	"Critical Thinking and Argument Diagrams" *Keynote Address* at the 5th International Conference on Education and Information Systems, Technologies and Applications, Orlando, FL.
2001	"Learning Chaos" Metropolitan State College of Denver.
2000	"Learning Chaos" The Center for the Philosophy of Science, University of Pittsburgh.

Peer Reviewed:

2019	"Teaching with Diagrams: Thomson's 'A Defense of Abortion'" The Teaching Hub: Teaching Core Texts: Thomson on Abortion. Pacific APA Conference.
2019	"Why I Love Teaching Gettier" The Teaching Hub: Teaching Core Texts: The Gettier Problem. Central APA Conference

2017 "Building arguments together or alone? Using learning analytics to study the collaborative construction of argument diagrams" with Bruce McLaren & Irene-Angelica Chounta. The 12th International Conference on Computer Supported Collaborative Learning.

2016 "Problem Based Learning at the Intersection of Philosophy and Technology" Annual Conference of the Philosophy of Science Association.

2016 "Let's argue over it: Are argumentation skills better learned collaboratively or individually?" with Bruce McLaren & Irene-Angelica Chounta. European Conference on Technology Enhanced Learning, Workshop on Connecting Learning Analytics and Learning Design.

2016 "An Update on Using Problem-Based Learning in Philosophy Courses" Biannual Conference of the American Association of Philosophy Teachers. Saginaw State University, Saginaw, Michigan.

2014 "Using Problem-Based Learning in Philosophy Courses" Biannual Conference of the American Association of Philosophy Teachers. The College of St. Benedict and St. John's University Collegeville, Minnesota.

2014 "Blended Learning with Online Courses" Annual Conference of the Pacific Division of the American Philosophical Association.

2013 "Improving First-Year Writing Using Argument Diagramming" Annual Conference of the Cognitive Science Society.

2013 "Indicators are Key in Learning Argument Analysis" International Association for Computing and Philosophy Annual Conference.

2013 "Argument Diagramming Online" American Association of Philosophy Teachers, Workshop on Teaching and Learning in Philosophy, Morehouse College.

2012 "Argument Diagramming Improves Critical Thinking" Annual Conference of the Pacific Division of the American Philosophical Association.

2011 "Will Structuring the Collaboration of Students Improve Their Argumentation?" with Bruce McLaren, Oliver Scheuer & Armin Weinberger. International Conference on Artificial Intelligence in Education.

2010 "How Diagramming Arguments with Pen and Paper in a Philosophy Class Improves Critical Thinking" Conference on College Communication and Composition.

2008 "Argument Mapping Improves Critical Thinking Skills" Centre for the Study of Argumentation in the School of Human Sciences and Education, Universidad Diego Portales, Santiago, Chile, International Conference *Logic, Argumentation and Critical Thinking*

2007 "Thinking Pedagogically About Argument Diagramming Software" North American Computing and Philosophy Conference

2007 "Using Argument Diagramming Software to Teach Critical Thinking Skills" 5th International Conference on Education and Information Systems, Technologies and Applications.

2006 "Using Argument Diagramming Software to Teach Critical Thinking Skills" North American Computing and Philosophy Conference.

2006 "Using Argument Diagramming Software in the Classroom" 16th Biennial Workshop-Conference on Teaching Philosophy.

2006 "Visualizing Arguments Improves Critical Thinking Skills" Annual Conference of the American Educational Research Association.

2005 "Using Argument Diagramming Software in the Classroom" North American Computing and Philosophy Conference.

2005 "Using Argument Diagrams to Improve Critical Thinking Skills" Annual Conference of the American Educational Research Association.

2002 "Logical Reliabilism" 4th Annual European Congress for Analytic Philosophy.

2002 "On Chaos and Explanation" The 2002 International Congress on Causation and Explanation in the Natural and Social Sciences.

Works in Progress

Book Series with Routledge on Popular Journal Articles Commonly Taught in Introductory Courses

Critical Thinking Textbook

Fellowships, Awards and Grants

American Philosophical Association Prize for Excellence in Philosophy Teaching—Winner	2018
American Philosophical Association Prize for Excellence in Philosophy Teaching—Finalist	2017
Carnegie Mellon University Award for Innovation in Education	2016
Dietrich College Dean's Innovation Scholar, $45,000	7/1/15-6/30/18
Carnegie Mellon University Simon Initiative, $20,000	6/1/13-5/31/14
Systematic Improvement of Undergraduate Education in Research Universities, offered by the Spencer and Teagle Foundations, $50,000	7/1/08-6/30/11
John D. and Catherine T. MacArthur Assistant Professor of Philosophy (Colorado College)	2003

Professional Service

2018 to date	Editor in Chief of *Teaching Philosophy*
2015	Teaching Workshop Organizer, American Association of Philosophy Teachers.
2013	Conference Session Organizer, International Association for Computing and Philosophy.
2010	Program Director, North American Computing and Philosophy Conference, Pittsburgh, PA.
2010	Session Chair, Philosophy of Science Association Conference, Montreal, Canada.
2009	Assistant Program Director, North American Computing and Philosophy Conference, Bloomington, IN.
2008	Commentator, North American Computing and Philosophy Conference, Bloomington, IN.
2008	Panel Discussion Organizer for "Computer-Assisted Argument Mapping" at the Association for Informal Logic and Critical Thinking Group Session at the Central APA Conference.
2008-2018	Editorial Board, *Teaching Philosophy*.
2008 to date	Advisory Board Member for *Noesis: Philosophical Research Online*.
2005-2021	Manager of the Brian Michael Goldberg Award for the North American Division of the International Association for Computing and Philosophy.
2005-2010	Steering Committee of the North American Division of IACaP.

Refereeing & Reviewing

Philosophy of Science	1998, 2013
Erkenntnis	2004
Canadian Journal of Philosophy	2004
Teaching Philosophy	2005, 2008-2017
International Journal for the Philosophy of Science	2008
University of Chicago Press	2008
McGraw-Hill Publishers	2009, 2011
Higher Education Research & Development	2010-2018
American Educational Research Journal	2010
Palgrave Publishers	2012, 2013
Philosophy and Technology	2013
Learning and Individual Differences	2013
International Journal of Artificial Intelligence in Education	2016
Informal Logic	2020

Professional Organizations

American Philosophical Association
Philosophy of Science Association
American Association of Philosophy Teachers
Association for Informal Logic and Critical Thinking
International Association for Computing and Philosophy

Courses Taught

University of California, San Diego

Racism as a Public Health Crisis	2021

Carnegie Mellon University

Introduction to Philosophy	2004-2017	Empiricism and Rationalism	2010
Honors Seminar	2004-2008	Revolutions in Science	2008
Thesis Seminar	2013, 2014	Interpretation and Argument	2008
Environmental Ethics	2012, 2013	Arguments and Logical Analysis	2006-2017
Critical Thinking	2009-2018	Philosophy and *The Matrix*	2006
Engineering Ethics	2015, 2017, 2019	Philosophy and *The 100*	2015
Science Fiction & Philosophy	2009, 2010, 2014, 2020	Logic and Philosophical Analysis	2005
Philosophy of Physics	2005-2015	Reflections on Science	2004
Epistemology	2004, 2005	Race, Gender & Science	2018
Philosophy & Argument	2017	Political Rhetoric	2018, 2019
Philosophy Graduate Student Core Seminar	2018, 2019	Philosophy Graduate Student Professional Development Seminar	2013-2021
Racism as a Public Health Crisis: EHPP Capstone	2020		

Colorado College

Introduction to Logic	2000-2002	First Year Experience: Chaos and Order	2000
Advanced Logic	2001, 2002	Introduction to the History of Philosophy	2001
Philosophy of Science	2000-2002	Philosophy of Physics	2002
Introduction to Epistemology	2002, 2003	Philosophy Department Senior Seminar	2002
Philosophy and Feminism	2001, 2003	Gender and Science	2001
Environmental Ethics	2001, 2002	Advanced Environmental Ethics	2002

University of California, San Diego

Introduction to Causal and Statistical Reasoning   Winter, Spring 2000