



Carissa A. Zimmerman
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Education

- 2010 Ph.D. in Cognitive Psychology, Florida State University, Tallahassee, FL
Dissertation: Intentional binding of negative items in memory.
- 2008 M.S. in Cognitive Psychology, Florida State University
Thesis: An item-specific and relational processing account of emotional memory enhancement.
- 2005 B.A. Summa Cum Laude, Psychology (with Honors) and Spanish, Trinity University, San Antonio, TX
Thesis: Emotional fluency and the discrepancy-attribution hypothesis.

Other Training

- October 2006 Functional MRI Visiting Fellowship, Massachusetts General Hospital/Massachusetts Institute of Technology/Harvard Medical School Athinoula A. Martinos Center for Biomedical Imaging, Boston, MA
- Summer 2004 Cognitive Neuropsychology Internship, Rice University, Houston, TX

Positions Held

- 2023 to present Assistant Teaching Professor, Center for Teaching Excellence, Rice University
2022 to present Director, Center for Teaching Excellence, Rice University
- 2018 to 2023 Senior Lecturer, Department of Psychological Sciences, Rice University
- 2019 to 2022 Director, Social Sciences Quantitative Methods Program, Rice University
- 2011 to 2018 Lecturer, Department of Psychology, Rice University
- 2010 to 2011 Postdoctoral Research Fellow, Baylor College of Medicine Alzheimer's Disease and Memory Disorders Center, Houston, TX

Teaching Experience

Courses at Rice University

- Research on Teaching and Learning (graduate)
Teaching Portfolio (graduate)
Introduction to Cognitive Psychology (undergraduate)
Quantitative Analysis for the Social Sciences (undergraduate)
Statistical Methods for Psychology (undergraduate)
Memory (undergraduate)

Courses at Florida State University (undergraduate)

Research Methods and Statistics

Research Methods and Statistics Lab

Cognitive Psychology Lab

Additional teaching interests

Metacognition, Pedagogical Sciences, Emotion and memory

Course and Instructor Evaluations excluding COVID-19 fully online semesters

Introduction to Cognitive Psychology: PSYC 203

- Weighted average course quality rating: 1.63 (Rice mean: 1.83); 50% “Outstanding”
- Weighted average instructor effectiveness rating: 1.48 (Rice mean: 1.71); 61% “Outstanding”

Quantitative Analysis for Social Sciences: SOSC 302

- Average course quality rating: 1.55 (Rice mean: 1.73); 58% “Outstanding”
- Average instructor effectiveness rating: 1.37 (Rice mean: 1.63); 71% “Outstanding”

Statistical Methods for Psychology: PSYC 339

- Weighted average course quality rating: 1.54 (Rice mean: 1.86); 57% “Outstanding”
- Weighted average instructor effectiveness rating: 1.38 (Rice mean 1.72); 66% “Outstanding”

Memory: PSYC 308

- Weighted average course quality rating: 1.76 (Rice mean: 1.87); 39% “Outstanding”
- Weighted average instructor effectiveness rating: 1.53 (Rice mean: 1.78); 61% “Outstanding”

Teaching and Advising Honors

- *George R. Brown Award for Superior Teaching (Spring 2022)
- Rice University Scholar Athlete Favorite Professor (Spring 2021)
- Center for Career Development Career Champion (Fall 2020)
- Nominee, C. M. and Demaris Hudspeth Endowed Award for Student Life and Clubs (Spring 2020)
- Rice University Scholar Athlete Favorite Professor (Spring 2020)
- Baker College Best Professor (Fall 2019)
- Will Rice College Favorite Professor (Fall 2019)
- Will Rice College Favorite Professor (Spring 2019)
- Sid Richardson College Favorite Professor (Spring 2019)
- Rice University Scholar Athlete Favorite Professor (Spring 2019)
- Baker College Best Professor (Fall 2018)
- *George R. Brown Award for Superior Teaching (Spring 2018)
- Duncan College Distinguished Faculty Associate (2017-2018)
- Nominee for Rice University Excellence in Academic Advising award (Spring 2018)
- Lovett College Favorite Professor (Spring 2018)
- Rice University Scholar Athlete Favorite Professor (Spring 2018)
- Will Rice College Favorite Professor (Fall 2017)
- Baker College Best Professor (Fall 2017)
- Duncan College Distinguished Faculty Associate (2016-2017)
- Rice WomenLEAD Distinguished Leader Spotlight (February 2017)
- Will Rice College Favorite Professor (Fall 2016)

- Duncan College Outstanding Faculty Associate (2015-2016)
- Baker College Best Professor (Spring 2016)
- Nominee for Rice University Excellence in Academic Advising award (Spring 2015)
- Rice University Scholar Athlete favorite professor (Spring 2015)
- Duncan College Outstanding Faculty Associate (2013-2014)
- Will Rice College Favorite Professor (Spring 2014)
- Will Rice College Favorite Professor (Fall 2013)

Undergraduate Student Mentoring

Independent research students (honors students)

- Emmaline Drew (2015-2016). Recipient of a Rice University Social Sciences Undergraduate Research Enterprise (SSURE) grant and Distinction in Research and Creative Works for her research investigating the impact of text structure on learning and memory.
- Allison Parker (2014-2015). Recipient of Distinction in Research and Creative Works for her project investigating the effects of caffeine consumption on cognitive performance.

Supervised research students

- Rachel Drazner (Fall 2017-Spring 2018)
- Theresa Cockerham (Spring 2017). Poster presented at the annual Rice Undergraduate Research Symposium: "Metacognition and Study Strategies".
- Alan Wang (Spring 2017). Poster presented at the annual Rice Undergraduate Research Symposium: "Racial Differences in Growth Belief Mindsets".

Pedagogical Research Projects

- Instructor Network to Support Teaching Innovation and eLevate Learning (INSTILL; Fall 2023-present)
- Student Metacognition Across Repeated Tests (SMART; Fall 2016 – Fall 2022)
- Psychology Major Assessment (Fall 2016 – Fall 2017) with Dr. Sandra Parsons
- Evaluation of Student Attitudes Toward Statistics (Spring 2017 – Spring 2018)

Innovative Teaching Methods and Curriculum Development

- Online Course Migration due to COVID-19 (Spring 2020)
- Quantitative Analysis for the Social Sciences (Summer – Fall 2018)
- Student Response System with Dr. David Lane (Spring 2016 – Spring 2017)
- Undergraduate Teaching Practicum in Psychology with Dr. Sandra Parsons (Fall 2016)

Grant Support

- Robotic Teaching Assistant Systems for Nursing Instructors (National Science Foundation, 2023-2027) with Drs. Lydia Kavradi, Vaibhav Unhelkar, Shannan Hamlin, and Daniel Van Knippenberg: \$171,997.
- Broad Research in Interdisciplinary Development for Groundbreaking Engineering in Cavity Quantum Electrodynamics (National Science Foundation) with Drs. Junichiro Kono, Alessandro Alabastri, Kaden Hazzard, and Hanyu Zhu: awaiting review.
- QEP Experiential Inquiry and Research Fund Development and Enhancement Grant (Rice University, 2018 – 2019) with Drs. Bryan Denny, Phil Kortum, Chase Lesane-Brown, Fred Oswald, and Sandy Parsons: \$30,000
- Overcoming STATIC Mindset (Rice University Brown Teaching Grant; 2017 – 2019): \$570.00

- QEP Scaffolding Experiential Inquiry and Research into the Curriculum (Rice University; 2017 – 2018) with Drs. Bryan Denny, Simon Fischer-Baum, Ozge Gurcanli, Phil Kortum, Chase Lesane-Brown, Randi Martin, Fred Oswald, and Sandy Parsons: \$10,000
- CREATE: Consortium for Research on Education and Teaching Excellence (Rice University InterDisciplinary Excellence Award, 2017) with Ms. Lydia Musher and Drs. Beth Beason-Abmayr, Amelie Carlton, Kristi Kincaid, Lesa Tran-Lu, and Sandra Parsons: not funded
- Biobehavioral pathways to cognitive decline: Implications for Alzheimer's disease (National Institutes of Health, 2017) with Drs. Chris Fagundes, Cobi Heijnen, Joseph Kass, Randi Martin, and Fred Oswald: not funded
- Collaborative Research: Increasing Student Engagement in Statistics Classes that Use Student Response Systems (National Science Foundation; 2015). Co-PI with Drs. David Lane, Michelle Hebl, and David Scott: not funded
- Informed Decision Making and Self Control (Marquette University Self, Motivation, and Virtue Project; 2014) with Drs. Edward Cokely, Adam Feltz, Rocio Garcia-Retamero, Yasmina Okan, Niklas Keller, Saima Shazal, Kiruthiga Nandagopal, and Gerd Gigerenzer: not funded
- Exploratory/Developmental Research Grant (National Institutes of Health R21; 2010) with Drs. Rachelle Doody and Wenyaw Chan: not funded
- Small Grant Program (National Institutes of Health R03; 2010) with Drs. Rachelle Doody and Wenyaw Chan: not funded

Teaching Community Involvement and Mentorship

- Director of the Center for Teaching Excellence (2022 - present)
- Graduate Certificate in Teaching and Learning program director (2022 - present)
- Founding member of NTT-work (2017 – present)
- Founding member of Psychology Department Teaching Interest Group (Spring 2017 – Fall 2022)
- Mentor to new undergraduate instructor (Spring 2022)
- Center for Teaching Excellence Reading group participant
 - Spring 2019: The New Education* by Cathy Davidson
 - Fall 2018: Make It Stick* by Peter Brown, Henry Roediger III, and Mark McDaniel
 - Spring 2017: Mindset: The New Psychology of Success* by Carol Dweck
- Inaugural member of Educational Research Action Team (Spring 2019 – Fall 2020)
- Center for Teaching Excellence Faculty Owl Days featured instructor
 - Fall 2019: Quantitative Analysis for the Social Sciences*
 - Fall 2018: Introduction to Cognitive Psychology*
 - Fall 2016: Introduction to Cognitive Psychology*
- BioSciences Quality Enhancement Plan collaborator (Fall 2018)
- Center for Teaching Excellence Brown Teaching grant presentation (Spring 2018)
- Teaching mentor to incoming faculty member (Spring 2013)

Academic Meetings: Leadership/Organizing Role

- CTE Reading Group: *In Defense of a Liberal Education* by Fareed Zakaria (Spring 2024)
- CTE and General Education Committee Conference: “The Future of Liberal Education at Rice” (January 2024)
- CTE Reading Group: *Small Teaching: Everyday Lessons from the Science of Learning* by James Lang (Fall 2023)
- CTE Round-table discussion: “Publishing in Discipline-Based Educational Research Journals” (Spring 2023)

- CTE and PWC panel discussion: “ChatGPT” in the Classroom (Spring 2023)
- CTE Reading Group: *Higher Expectations: Can Colleges Teach Students What They Need to Know in the 21st Century?* by Derek Bok
- CTE Symposium on Teaching and Learning: “Talk Matters: Investigating the Nature of Non-Content Classroom Language (Instructor Talk) That May Mediate Student Inclusion, Engagement, and Learning” with Dr. Kimberly Tanner (January 2023)

Academic Meetings: Participation

- CTE What’s New in Research on Teaching and Learning: “The One Who Does the Work Does the Learning: Students as Producers” (September 2019)
- CTE What’s New in Research on Teaching and Learning: “Effective Feedback for Deeper Learning” (February 2019)
- CTE Symposium on Teaching and Learning: “Reframing the Lecture as a Pedagogy of Engagement” with Dr. Claire Major (January 2019)
- Presenter at CTE What’s New in Research on Teaching and Learning: “Teaching and Learning Research at Rice” (September 2018)
- CTE Workshop: “Inquiry-based learning through collaborative group work” (January 2018)
- CTE Symposium on Teaching and Learning: “Why won’t they talk: Using discussion to facilitate learning” with Dr. Jay Howard (January 2018)
- CTE What’s New in Research on Teaching and Learning: “Motivation and Learning in the Context of Grades.” (October 2017)
- CTE What’s New in Research on Teaching and Learning: “Reflection on System Dynamics Principles Improves Student Performance in Labs with the Haptic Paddle” (September 2017)
- CTE What’s New in Research on Teaching and Learning: “Challenging the Biased Brain: Creating Constructive Dialogue in the Classroom” (April 2017)
- CTE Treybig Teaching and Innovation Lecture: “What are my students thinking? Using multiple modes of assessment to identify and improve student conceptual understanding” with Dr. Michelle K. Smith (March 2017)
- Texas Association of Advisors for the Health Professions (February 2017)
- CTE Symposium on Teaching and Learning (January 2014)

Sponsor for student-taught courses

- COLL “The History of Fashion” (Fall 2022)
- COLL “Knits and Pieces” (Fall 2017 – Spring 2022)
- COLL “Survivor: Social Strategies in Focus” (Spring 2019 – Fall 2019)
- COLL “How to be happy” (Spring 2014)

Advising Community Involvement

- Social Sciences Divisional Advising presentation during O-week Academic Planning Session (Fall 2021)
- Navigate training panelist (Fall 2021)
- Office of Academic Advising Divisional Advisor discussion panel (Fall 2021, Fall 2017 – 2019)
- Social sciences presenter for Peer Academic Advising O-week training (Fall 2021, Fall 2017, Fall 2015)

Service to the Psychological Sciences Department

- Undergraduate Committee member (Fall 2011 – Fall 2022)

- Psychology major advisor (Fall 2011 – Fall 2022)
- Psi Chi co-sponsor (Fall 2016 – Spring 2021)
- Faculty Subcommittee on Statistical Software (Spring 2022)
- Non-tenure track search committee (Summer 2021; Fall 2021)
- Undergraduate research liaison to Texas Medical Center (Fall 2021, Spring 2019, Fall 2017, Fall 2011 – Fall 2016)

Service to the School of Social Sciences

- Cognitive Sciences major advisor (Fall 2017 – Fall 2022)
- Rice Catalyst panelist (Fall 2017)

Service to Rice University

Residential Life

- Wiess College Resident Associate (Fall 2018 – present)
- Social Sciences Divisional Advisor (Fall 2019 – present at Wiess College, Fall 2014 – Spring 2018 at Duncan College)
- Wiess College Residential Associate Search Committee (Spring 2023)
- Wiess College Magister Search Committee (Spring 2021)
- COVID-19 Reopening: Residential Life Committee (Summer 2020)
- Duncan College Associate (Spring 2013 – Spring 2018)

University Committees

- Vice-President of *Beta of Texas*, Rice's University's chapter of Phi Beta Kappa (Fall 2018 – present)
- Academic Advising Advisory Committee (Fall 2021 – present)
- University Teaching Committee (Fall 2022 - present)
- General Education Committee (Fall 2022 - present)
- Working group on Parental Leave (Spring 2023 - present)
- University Committee on Information Technology, Academic Technologies Subcommittee (Fall 2022 – present)
- Classroom Quality Management Team (Spring 2023 - present)
- Undergraduate Curriculum Committee (Fall 2023 - present)
- Vice-Provost for Digital Learning search committee (Spring 2023 - Fall 2023)
- Carnegie Classification Committee (Spring 2023)
- Faculty Senate Working Group on Advising (Spring 2018 – Spring 2021)
- EAB Navigate Insight and Assessment Team (Spring 2020 – Fall 2020)
- Office of Academic Advising Health Professions Advising Committee member (Spring 2017 – Spring 2019)

Support for Student Activities

- National Alzheimer's Buddies Rice chapter sponsor (Fall 2017 – present)
- Pancakes for Parkinson's Celebrity Pancake Flipper (Spring 2017 – present)
- Study abroad photo contest judge (Spring 2021, Spring 2020, Spring 2019, Spring 2016)
- Final project judge for CHEM178: Chemistry of Cooking (Fall 2017, Fall 2016)
- Duncan College Industry Night participant (Fall 2016)
- Duncan Undergraduate Research Symposium judge (Spring 2016)
- Center for Career Development graduate school panelist (Spring 2016)
- Rice Education of the Future Student Association task force faculty participant (Fall 2014)

- O-week Common Reading Facilitator (Fall 2013)

Professional Service

- Textbook reviewer: Statistics for the Social Sciences (Spring 2019 – Fall 2019)
- Textbook review panel: Fundamentals of Cognition 3rd edition (Spring 2017)
- Southwestern Psychological Association travel grant judge (Spring 2017)
- Southwestern Psychological Association Psi Chi abstract reviewer (Fall 2016, Fall 2017)
- SAGE textbook proposal reviewer: Integrated Research Methods (Spring 2014)

Ad-hoc Reviewer

- Emotion
- Memory and Cognition
- Journal of Experimental Psychology: Learning, Memory, and Cognition
- Cognition and Emotion

Professional Affiliations

- Professional and Organizational Development network
- Ivy+ Centers for Teaching and Learning Directors
- Women in Cognitive Science
- International Association for Metacognition
- Lead Affiliate for RiskLiteracy Texas (www.riskliteracy.org)

Publications

Peer-Reviewed Publications

- Lian, F. Chan, W., Ping-Jen, C., **Zimmerman, C.A.**, Waring, S. C., & Doody, R. S. (2016). Cognitively-related basic activities of daily living impairment greatly increases the risk of death in Alzheimer's disease. PLoS ONE 11(8): e0160671. <https://doi.org/10.1371/journal.pone.0160671>
- **Zimmerman, C. A.**, & Kelley, C. M. (2010). "I'll remember this!" Effects of emotionality on memory predictions versus memory performance. Journal of Memory and Language, 62, 240-253. <https://doi.org/10.1016/j.jml.2009.11.004>.
- Delaney, P., Sahakyan, L., Kelley, C. M., & **Zimmerman, C. A.** (2010). Remembering to forget: The amnesic effect of daydreaming. Psychological Science, 21, 1036-1042. <https://doi.org/10.1177/0956797610374739>

Invited Publications

- **Zimmerman, C. A.**, & Doody, R. S. Memantine in mild Alzheimer's Disease. Comment on Schneider, L.S., Dagerman, K. S., Higgins, J. P., & McShane, R. (2011). Lack of evidence for the efficacy of memantine in mild Alzheimer Disease. Archives of Neurology, 68(8), 991-998. Alzheimer Research Forum. May 12, 2011. Available at <http://tinyurl.com/memantineAD>

Presentations

Conference Presentations

- **Zimmerman, C. A.**, & Kelley, C. M. (2009, November). *Linking emotional items: When is the whole less than the sum of its parts?* Talk presented at the annual meeting of the Psychonomics Society, Boston, MA.

- Delaney, P. F., Sahakyan, L., Kelley, C. M., & **Zimmerman, C. A.** (2009, November). *When minds wander to distant places and times, we can forget the present*. Talk presented at the annual meeting of the Psychonomics Society, Boston, MA.
- Kelley, C. M., **Zimmerman, C. A.**, Delaney, P. F., & Sahakyan, L. (2007, November). *Does traveling backward in time induce forgetting of the present?* Poster presented at the annual meeting of the Psychonomics Society, Long Beach, CA.
- **Zimmerman, C. A.**, & Kelley, C. M. (2006, November). *When metacognition meets emotion: Predicting memory for emotional materials*. Poster presented at the annual meeting of the Psychonomics Society, Houston, TX.
- Hertel, P. T., **Zimmerman, C. A.**, & Grider, R. (2006, November). *Recognition of emotion words: A result of processing fluency?* Poster presented at the annual meeting of the Psychonomics Society, Houston, TX.

Guest Lectures and Invited Talks

- “Emotion and memory”, Foundations of Cognitive Psychology graduate seminar, Rice University (Spring 2018, Spring 2017)
- “What’s New in Research on Teaching and Learning”, Rice University Center for Teaching Excellence (Fall 2018)
- “The Power of Statistics”, Rice University Industrial/Organizational Psychology Brown Bag (Spring 2017)
- “Alzheimer’s disease”, Neuropsychology of Language and Memory seminar, Rice University (Fall 2015)