



Dr. Christine Julia Ziemer

Professor
Department of Psychology
Missouri Western State University
217F Murphy Hall,
St. Joseph, MO 64501
Office phone: 816-271-5681
Cell phone: 319-594-2829
E-mail: cziemer@missouriwestern.edu

EDUCATION

University of Iowa: Ph.D., Psychology (2012)
Concentration: Developmental Science

Lawrence University: BA, Psychology and Theatre Arts (2004)

ACADEMIC AND PROFESSIONAL EXPERIENCE

Missouri Western State University: Associate Professor of Psychology (2018-present)
Assistant Professor of Psychology (2012-2018)

HONORS AND AWARDS

Professional Awards

Program of Research, Teaching, and Applied Learning (PORTAL) grant awarded by Missouri Western State University, \$3,500 (2016)

Compass Award for influential professor presented by the Missouri Lambda chapter of Alpha Chi National Honor Society (2015, 2021)

Graduate Awards

University of Iowa Executive Council of Graduate and Professional Students Travel Award (2007, 2009)

Graduate Student Senate Travel Award (2007, 2009, 2011)

Partnership of Student Governments at Iowa Earn While You Learn Scholarship (2008, 2009)

Undergraduate Honors

Psi Chi, National Honor Society in Psychology

Phi Beta Kappa Academic Honor Society

Graduated Magna Cum Laude (2004)

Dean's List, Lawrence University (2000-2004)

PROFESSIONAL ORGANIZATIONS

American Psychological Association

Association for Psychological Science

Cognitive Development Society

Society for Research in Child Development

South-west Psychological Association

Midwest Psychological Association

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TEACHING EXPERIENCE

Courses taught at Missouri Western State University:

General Psychology
Life-span Developmental Psychology
Sensation and Perception
Transpersonal Psychology
Introduction to Psychological Development for Educators
Introductory Psychological Statistics
Psychology Research Methods
Research Team
Independent Research
Psychedelic Science (Honors Colloquium)

Courses taught as instructor at University of Iowa:

Introduction to Developmental Science
Infant Development

Courses taught at teaching assistant at University of Iowa

Elementary Psychology (Dr. Shaun Vecera)
Introduction to Developmental Science (Dr. Julie Gros-Louis)
Infant Development (Dr. Robert McMurray)
Introduction to Cognitive Psychology (Dr. Richard E. Hazeltine)

Courses taught as teaching assistant at University of Minnesota

Cognitive Development (Dr. Herbert Pick)

TEACHING TRAINING:

Seminar in College Teaching: Instructor: Dr. Mitchell Kelly, University of Iowa, summer 2011

SCHOLARSHIP

PUBLICATIONS:

- Ziemer, C. J.** (2022) Planting seeds: Teaching transpersonal and psychedelic sciences undergraduate courses at a small Missouri university. *Entheoscope*, *3*, 13-18.
- Ziemer, C. J.**, Wyss, S., & Rhinehart, K. (2021) The origins of touchscreen competence: Examining infants' exploration of touchscreens. *Infant Behavior and Development*, *64* (10160). doi:<https://doi.org/10.1016/j.infbeh.2021.101609>
- Ziemer, C. J.**, & Snyder, M. (2016). A picture you can handle: Infants treat touch-screen images more like photographs than objects. *Frontiers in Psychology*, *7*:1253. doi:10.3389/fpsyg.2016.01253
- Ziemer, C. J.**, Branson, M. J., Chihak, B. J., Kearney, J. K., Cremer, J. F., & Plumert, J. M. (2013). Manipulating perception versus action in recalibration tasks. *Attention, Perception, & Psychophysics*, *75*, 1260-1274.

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- Ziemer, C. J.**, Plumert, J. M., & Pick, A. D. (2012). To grasp or not to grasp: Infants' actions towards objects and pictures. *Infancy, 17*, 479-497.
- Nguyen, T. D., **Ziemer, C. J.**, Grechkin, T., Chihak, B., Plumert, J. P., Cremer J. F., & Kearney, J. K. (2011). Effects of scale change in distance perception in virtual environments. *ACM Transactions on Applied Perception, 8*, 1-18.
- Babu, S., Grechkin, T., Chihak, B., **Ziemer, C.**, Kearney, J., Cremer, J., & Plumert, J. (2011). An immersive virtual peer for studying social influences on child cyclists' road-crossing behavior. *IEEE Transactions on Visualization and Computer Graphics, 17*, 14-25.
- Chihak, B. J., Plumert, J. M., **Ziemer, C. J.**, Babu, S., Grechkin, T., Cremer, J. F., & Kearney, J. K. (2010). Synchronizing self and object movement: How child and adult cyclists intercept moving gaps in a virtual environment. *Human Perception and Performance, 36*, 1535-1552.
- Ziemer, C.J.**, Plumert, J.M., Cremer, J., & Kearney J. (2009). Estimating distance in real and virtual environments: Does order make a difference? *Attention, Perception, and Psychophysics, 71*, 1095-1106.

PUBLISHED ABSTRACTS:

- Gottfried, T.L., Staby, A.M., & **Ziemer, C.J.** (2004). Musical experience and Mandarin tone discrimination and imitation. *Journal of the Acoustical Society of America, 115*, 2545. (Abstract)

PUBLISHED CONFERENCE PROCEEDINGS:

- Babu, S., Grechkin, T., Chihak, B., **Ziemer, C.**, Cremer, J., Kearney, J., and Plumert, J. (March, 2009). A virtual peer for investigating social influences on children's bicycling. *Proceedings of the IEEE International Conference in Virtual Reality 2009*, Lafayette, Louisiana, pp. 91-98.
- Chihak, B., Pick, H. L., Plumert, J., **Ziemer, C.**, Cremer, J., & Kearney, J. (September, 2009). Optic flow and effort as cues for the perception of the rate of self-produced motion in VE. *Proceedings of the ACM International Symposium on Applied Perception in Graphics and Visualization*, Chania, Crete, Greece, p. 132.
- Nguyen, T. D., **Ziemer, C. J.**, Plumert, J. P., Cremer J. F., & Kearney, J. K. (September, 2009). Effects of scale change on distance perception in virtual environments. *Proceedings of the ACM International Symposium on Applied Perception in Graphics and Visualization*, Chania, Crete, Greece, pp. 27-34.
- Grechkin, T., Babu, S., **Ziemer, C.**, Chihak, B., Cremer, J., Kearney, J., & Plumert, J. (September, 2009). How does a virtual peer influence children's distance from the roadway when initiating crossing? *Proceedings of the ACM International Symposium on Applied Perception in Graphics and Visualization*, Chania, Crete, Greece, p. 129.

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ABSTRACTS & CONFERENCE PRESENTATIONS:

Mendoza, N., & **Ziemer, C. J.** (April 2023) *Weed dreams? Cannabis use and sleep quality.* Poster presented at the Midwest Psychological Association annual meeting, Chicago, IL.

Mendoza, N. & **Ziemer, C. J.** (March 2023) *Dreaming on the grass? Cannabis use and sleep quality.* Poster presented at the South-west Psychological Association annual meeting, Frisco, TX.

Ziemer, C. J. (March 2023) *Holistic mental health practices in the classroom: Applied transpersonal psychology.* Poster presented at the Conference on Applied Learning in Higher Education, St. Joseph, MO.

Addison, B., & **Ziemer, C. J.** (April, 2022) *The effects of mindfulness meditation training on children with trauma.* Poster presented at the biennial meeting of the Cognitive Development Society, Madison, WI.

Addison, B., & **Ziemer, C.J.** (April, 2022) *The effects of mindfulness meditation training on children with trauma.* Poster presented at the South-west Psychological Association annual meeting, Baton Rouge, LA.

Wyss, S., Rhinehart, K., & **Ziemer, C. J.** (April, 2021) *Toddlers' exploration of touch-screen images, photographs, and objects.* Talk presented to the Midwest Psychological Association annual meeting, online.

Ziemer, C. J. (April, 2021) *Meditations' Effect on Exam Scores.* Poster presented at the Midwestern Psychological Association annual meeting, online.

Wyss, S. D., Rhinehart, K. & **Ziemer, C. J.** (Oct, 2019) *Children's experience and exploration of touch-screens.* Poster presented at the biennial meeting of the Cognitive Development Society, Louisville, KY.

Ziemer, C. J., Wyss, S. D. (April, 2019) *Children's experience and exploration of touch-screens.* Poster presented at the South-west Psychological Association annual meeting, Albuquerque, NM.

Ziemer, C. J. (April, 2019) *Focusing your mind: Using meditation to prepare for exams.* Poster presented at the South-west Psychological Association annual meeting, Albuquerque, NM.

Ziemer, C. J., Wyss, S. D. (March, 2019) *Infant and toddlers' discriminating perception of touch-screen images.* Poster presented at the International Convention of Psychological Science biennial meeting, Paris, France.

Ziemer, C. J. (April, 2018) *Comparing toddlers' responses to screen-projected images, photographs, and objects.* Poster presented at the South-west Psychological Association annual meeting, Houston, TX.

Ziemer, C. J. (April, 2018) *Meditation or Positive Affirmation? Comparing mindfulness techniques on exam performance.* Poster presented at the South-west Psychological Association annual meeting, Houston, TX.

Ziemer, C. J., & Wilson, A. N. (April, 2017) *Exploring touch screens: Infants' actions towards touch screens, photographs, and objects.* Poster presented at the South-west Psychological Association annual meeting, San Antonio, TX.

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- Ziemer, C. J.,** Snyder, M., Snelling, C., & Waite, A. (October, 2016). *A picture you can handle? How infants explore screen-projected images compared to photographs and objects.* Poster presented at the Society for Research in Child Development special topics meeting: Technology and Media in Children's Development, Irvine, CA.
- Boner, C., Francis, C., Hadsall, C., Herlihy, E., Smalley, R., Webster, M., & **Ziemer, C. J.,** (May 2016). *Did you mean to say that? Interpretation of emoticons as nonverbal conversation cues.* Talk presented at Midwestern Psychological Association annual meeting, Chicago, IL.
- Ziemer, C.,** & Snyder, M. (May 2016). *Investigating infants' actions towards screen-projected images, photographs, and objects.* Poster presented at Midwestern Psychological Association annual meeting, Chicago, IL.
- Ziemer, C.,** & Snyder, M. (April 2016). *Infants' response to screen-projected images compared to photographs and objects.* Poster presented at South-western Psychological Association annual meeting, Dallas, TX.
- Ziemer, C.** (April 2016). *Meditating your way to higher exam scores.* Poster presented at South-western Psychological Association annual meeting, Dallas, TX.
- Ziemer, C. (chair),** Newman, M., & O'Connor, M.F. (April 2016). *Death becomes us: The psychology of aging, death, and bereavement.* State Symposium presented at South-western Psychological Association annual meeting, Dallas, TX.
- Ziemer, C. J.** (April 2015). *Testing... testing... Test bank vs. instructor-generated exam questions and student performance.* Poster presented at South-western Psychological Association annual meeting, Wichita, KS.
- Ziemer, C. J.,** Plumert, J. M., Cremer, J., Kearney, J., & Chihak, B. J. (May 2013). *Manipulating Perception Versus Action in Recalibration Tasks.* Poster presented at Spatial Memory: Bayes and Beyond, sponsored by NSF's Spatial Intelligence and Learning Center, Richmond, VA.
- Ziemer, C. J.,** Plumert, J. M., Chihak, B. J., Cremer, J. F., & Kearney, J. K. (November 2012). *How does manipulating perception versus action impact recalibration?* Talk presented at the 53rd annual meeting of the Psychonomic Society, Minneapolis, MN.
- Ziemer, C. J.,** Chihak, B. J., Plumert, J. M., Nguyen, T. D., Cremer, J. F., @ Kearney, J. K. (August 2011). *Is perception-action coupling more malleable in virtual than in real environments?* Poster presented at 2011 Symposium on Applied Perception in Graphics and Visualization, Toulouse, France.
- Ziemer, C. J.,** Chihak, B. J., Nguyen, T. D., Branson, M., Mickunas, A. V., Plumert, J., Cremer, J., & Kearney, J. (March 2011). *Flexible recalibration of perception and action in children and adults.* Poster presented at the 35th Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.
- Chihak, B. J., Grechkin, T., **Ziemer, C. J.,** Mickunas, A. V., Winnike, K., Plumert, J., Kearney, J., & Cremer, J. (March 2011). *How learning affects child cyclists' ability to intercept moving gaps in a virtual environment.* Poster presented at the 35th Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.

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- Mathews, M. M., Violante, C., McCartan, D., **Ziemer, C. J.**, & Plumert, J. (March 2011). *How does knowledge about what objects are influence memory for where objects are?* Poster presented at the 35th Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.
- Ziemer, C.J.**, Chihak, B., Branson, M., Plumert, J.M., Nguyen, T.D., & Cremer, J. (November 2010). *Flexible recalibration of perception and action in children and adults.* Poster presented at the 51st annual meeting of the Psychonomic Society, St. Louis, MO.
- Ziemer, C.**, Pick, A., & Plumert, J. (March 2010). *Through the looking glass: Infants' manual actions toward objects and pictures.* Paper symposium presented at the XVIIth Biennial International Conference on Infant Studies, Baltimore, MD.
- Ziemer, C.J.**, Buss, A.T., Spencer, J.P., & Plumert J.M. (October 2009). *Capturing U-shaped developmental patterns in spatial bias with Dynamic Field Theory.* Poster presented at the 6th biennial meeting of the Cognitive Development Society, San Antonio, TX.
- Ziemer, C.J.**, Pick, A.D., & Plumert, J.M. (April 2009). *Through the looking glass: Infants' manual actions towards objects and pictures.* Poster presented at the 34th Biennial Meeting of the Society for Research in Child Development, Denver, CO.
- Ziemer, C.J.**, Buss, A.T., Spencer, J.P., & Plumert J.M. (April 2009). *Recall of 'where' is affected by 'what': Capturing categorical biases with Dynamic Field Theory.* Poster presented at the 34th Biennial Meeting of the Society for Research in Child Development, Denver, CO.
- Chihak, B., **Ziemer, C.**, Plumert, J.M., Babu, S., Grechkin, T., Cremer, J., & Kearney, J. (August 2008). *How do bicyclists intercept moving gaps in a virtual environment.* Poster presented at the 2008 Symposium on Applied Perception in Graphics and Visualization, Los Angeles, CA.
- Ziemer, C.J.**, Plumert, J.M., Chihak, B.J., Cremer, J., & Kearney, J. (October 2007). *How does 2-way traffic impact children's road crossing behavior in a virtual environment?* Poster presented at the 5th Biennial Meeting of the Cognitive Development Society, Santa Fe, NM.
- Ziemer, C.J.**, Plumert, J.M., Cremer, J., & Kearney, J. (May 2007). *Perceptual adaptation to environmental scale.* Poster presented at the 7th Annual Meeting of the Vision Sciences Society, Sarasota, FL.
- Ziemer, C.J.**, Plumert, J.M., Cremer, J., & Kearney, J. (April 2007). *Studying children's road-crossing behavior using an interactive, immersive bicycling simulator: How does driver behavior impact gap choices.* Poster presented at the 33rd Biennial Meeting of the Society for Research in Child Development, Boston, MA.
- Ziemer, C.J.**, Plumert, J.M., Cremer, J., & Kearney, J. (November, 2006). *Do people exhibit perceptual adaptation to environmental scale?* Poster presented at the 47th annual meeting of the Psychonomic Society, Houston, TX.
- Ziemer, C.**, Plumert, J. M., Cremer, J., & Kearney, J. (2006, July). *Making distance judgments in real and virtual environments: Does order make a difference?* Poster presented at the 2006 Symposium on Applied Perception in Graphics and Visualization and at SIGGRAPH 2006, Boston, MA.
- van Brederode, T.M., Pick, A.D., Bonacci, A.M., & **Ziemer, C.J.** (April 2005). *What's in a reach? A descriptive study of infant reaching toward depictive surfaces.* Poster presented at the 32nd Biennial Meeting of the Society for Research in Child Development, Atlanta, GA.

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RESEARCH EXPERIENCE

Advised the following MWSU students in PSY 450 Independent Research:

Rachel McKeighan (2023-present)
Na-Ann Mendoza (2022-2023)
Brittany Addison (2021-2022)
KaitylInn Rhinehart (2019-2021)
Sara Wyss (2018-2021)
Autumn Waite (2016)
Crystal Snelling (2016)
Makenna Snyder (2015-2016)
Jacqueline Ratliff (2013)

Received PORTAL summer research grant through Missouri Western State University, Summer 2016.

Research assistant: (2005-2012) Jodie Plumert, PhD, University of Iowa

Research assistant: (2004-2005) Anne D. Pick, PhD, Institute of Child Development, University of Minnesota

Research assistant: (2003-2004) Terry Gottfried, PhD, Lawrence University

SERVICE

Professional Service

Professional Leadership:

Launched the Psychedelic Educators Network (2022-present)
2022: president
2023: secretary/past-president
Missouri State Representative for Southwestern Psychological Association (2015: appointed, 2016-2018: elected)

Reviewing:

Textbook chapter reviews:

Oxford University Press "Sensation and Perception 5th Ed." by Wolfe et al. (2019)
Macmillan "Psychology in Everyday Life" by David Myers (2018)
Macmillan Learning "Invitation to the Life Span" by Kathleen Berger (2017)

Textbook reviews:

McBride publishing "The Process of Statistical Analysis in Psychology" 2e (2022)
Pearson publishing "Exploring the Lifespan" 3rd edition by Laura E. Berk (2016)
SAGE publishing "Interpreting and Using Statistics in Psychological Research" by Andrew N. Christopher (2015)

Textbook corrections for Shaffer & Kipp's "Developmental Psychology: Childhood and Adolescence" 9th edition (2013)

Reviewer for the following conferences:

IEEE Virtual Reality Conference (2017)
Southwestern Psychological Association (2016)
VR & 3DUI Precision Conference (2014)

Ad Hoc Reviewer for the following journals:

Journal of Injury and Violence Research
Frontiers in Communication
Cognitive Development

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Journal of Environmental Psychology
Infancy
Gait and Posture
Attention, Perception, and Psychophysics
Journal of Motor Behavior
Experimental Brain Research
Journal of Experimental Child Psychology

University Service

Missouri Western State University:

Fringe Benefits Committee

Committee Member (2022-present)

Salary Committee

Secretary (2020-2022)

Faculty Senate

Elected (2018-2020)

Undergraduate Curriculum Committee

Faculty Senate Liaison to UGCC (2018-2020)

Sub-committee chair (2016-2018)

Committee member (2015-2016)

University of Iowa:

Scholarly Presentations and Research Grants Committee

Co-chair (2007-2008)

Committee member (2006-2007)

Graduate Student Senate

Representative (2007-2008)

Executive Council of Graduate and Professional Students

Representative (2006-2007)

Departmental Service

Missouri Western State University:

Tenure Review of Lori McCune – math (2023)

Tenure Review of Kayla Waters (2023)

Tenure Review of Haruka Konishi – education (2022)

Mid-Tenure Review of Kayla Waters (2022)

Faculty mentor to Kayla Waters (2021-present)

Faculty mentor to Stacey Rieck (2018-2020)

Mid-Tenure Review of Stacey Rieck (2019)

Mid-Tenure Review of Corey White (2018)

Faculty Recruitment Coordinator (2014-present)

Psychology Club Faculty Sponsor (2013-present)

University of Iowa:

Faculty Meeting Student Representative (2009-2011)

Graduate Student Mentor (2006-2012)

Community Outreach/Service

Invited Talks:

Pop Culture Club talk "Psychedelics: History, Function, and Future" (2023)

St. Joseph Museums Psychology Social Hour talk "Transpersonal Psychology" (2022)

St. Joseph Museums Psychology Social Hour talk "Psychedelic Science" (2021)

United Way "Adventures in Parenting" talk "Say What? Language Development" (2015)

United Way "Adventures in Parenting" talk "Boys are from Mars, Girls are from Venus?"

Gender Difference in Development" (2014)

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United Way "Adventures in Parenting" talk "Why Do They Do What They Do?" (2014)
United Way "Success by Six" talk "Prenatal Development: What's Happening in There?"
(2013)
United Way "Adventures in Parenting" talk "Your Baby's Brain" (2013)

Interviews

Psychedelic Alpha article "Psychedelic Educators Network" 2022
(<https://psychedelicalpha.com/news/the-psychedelic-educators-network>)
Discover More Podcast "Self-Transcendence through Transpersonal Psychology – Dr. Christine Ziemer" 2022
(https://www.youtube.com/watch?v=4h_gYj14IN0&ab_channel=DiscoverMorePodcast)
Psychedelic Grad's Curious to Serious Podcast: "Harm Reduction & Undoing the Systems of Miseducation with Good Information/Teaching Psychedelics and Transpersonal Psychology" June 7, 2022
(<https://open.spotify.com/episode/2CgTuDW0RnUDuNjNSEWUCM>)
The Microdose: "5 Questions for Psychedelic Professor Christine Ziemer" June 21, 2021
(<https://themicrodose.substack.com/p/5-questions-for-psychedelic-professor>)

ADDITIONAL TRAINING/SERVICE

Service

Co-founder of Kansas City Psychedelic Integration Circle (2023-present)
Fireside Project Peer Support Volunteer (2023-present)
Zendo Project Peer Support Volunteer at Burning Man, Black Rock City, NV (2022)

Training

Fireside Project Volunteer Training (2023)
Tam Integration: How to Start an Integration Circle (2023)
Double-Blind Course "DB 101: How to Trip Sit" (2023)
Zendo Psychedelic Peer Support Volunteer Training for Burning Man (2022) online and onsite
Zendo Psychedelic Peer Support Training (2020) Salt Lake City, UT