

**Curriculum Vitae**  
**ROBERT S. RYAN**  
07/04/23

**Office:**

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**EDUCATION:**

- PhD. University of Pittsburgh, 1993 - 1997.  
Cognitive Psychology  
Dissertation: "The Role of Self-Explanation in Adapting As Well As Transferring a Solution Procedure"
- M.S. University of Pittsburgh, 1989 - 1993.  
Cognitive Psychology  
Thesis: "Does Transfer Appropriate Processing Mediate the Verbal Overshadowing Effect?"
- B.S. Duquesne University, 1966 - 1970.  
Music Education

**EMPLOYMENT:**

2007 - Present	Associate Professor of Psychology Kutztown University Kutztown, PA
2000 - 2007	Assistant Professor of Psychology Kutztown University Kutztown, PA
1998 - 2000	Assistant Professor of Psychology Union College of Kentucky Barbourville, KY
1996 - 1998	Instructor, Psychology Slippery Rock University Slippery Rock, PA

## CONTINUING SCHOLARLY GROWTH

### SABBATICAL:

Fall 2016 – Spring 2017. During the sabbatical I conducted an experiment that was developed from a framework that was recently proposed by a group of cognitive scientists. The experiment examined the efficacy of a study method called “Self-Explanation” for learning and retention of some basic concepts that our statistics students need to learn and retain. The experiment was designed according to the recommendations of the Center for Open Science. It had high power and all the details of the design and method of analysis were pre-registered on the Open Science Framework. Although the sabbatical was only for Fall 2016 and Spring 2017, it took another year, until Spring 2018 to run all the participants. It took until Fall of 2020 to triple check all the data, analyze it, and anonymize it, in preparation for making it public. The results of the experiment provided evidence that self-explanation improved learning, but not retention. It also showed that the improvement was greater for a less familiar concept than for a more familiar one. The manuscript reporting the results was published in *Teaching of Psychology*.

### BOOK:

Ryan, R. S., & Milevsky, A. (2016). *Launching a Successful Research Program at a Teaching University* (Reprint edition). New York, NY: Routledge.

### WHITE PAPER:

Ryan, R. S. (2010, July). Research Basis for Catchup Math. <http://catchupmath.com/cm-research-basis.html>

### STATISTICAL CONSULTING

Ryan, R. S. (2012). *Analysis of Pennsylvania System of School Assessment (PSSA) results for Berks County and Pennsylvania from 2008 to 2011*.

### PEER REVIEWED PUBLICATIONS:

Ryan, R. S., & Koppenhofer, J. A. (2022). Prompted self-explanations improve learning in statistics but not retention. *Teaching of Psychology*. Advance online publication, doi.org/10.1177%2F00986283221114196

Open Science Collaboration<sup>1</sup> (2015). Estimating the reproducibility of psychological science. *Science*, 349(6251). DOI: 10.1126/science.aac4716

Ryan, R. S., & Snoddy, S. P. (2014). Feature matching facilitates analogy based transfer. *Cognitive Technology*, 19(2), 4-12.

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1 I am one of 270 authors. My contributions were (a) calculating confidence intervals for effect sizes for one of the replication attempts, and (b) correcting an incorrect formula in the analysis protocol for all the replication attempts.

Ryan, R. S., Wilde, M., & Crist, S. (2013). Compared to a small, supervised lab experiment, a large, unsupervised web-based experiment on a previously unknown effect has benefits that outweigh its potential costs. *Computers in Human Behavior*, 29, 1295-1301.

Ryan, R. S. (2006). A hands-on exercise improves understanding of the standard error of the mean. *Teaching of Psychology*, 33(3), 180-183.

Ryan, R. S. (2005). Judging similarity facilitates deriving a new solution procedure. *Cognitive Technology*, 10(2), 5-12.

Ryan, R. S., & Schooler, J. W. (1998). Whom do words hurt?: Individual differences in susceptibility to verbal overshadowing. *Applied Cognitive Psychology*, 12, S105-S125.

Schooler, J. W., Ryan, R. S., & Reder, L. (1996). The costs and benefits of verbally rehearsing memory for faces. In D. Herrmann, M. Johnson, C. McEvoy, C. Hertzog, & P. Hertel (Eds.), *Basic and applied memory research: Vol. 2. Practical applications* (pp. 51-65). Mahwah, NJ: Erlbaum.

#### **MANUSCRIPT IN PREPARATION FOR PEER REVIEWED JOURNAL ARTICLES:**

Ryan, R. S. Factors affecting the difficulty of solving algebra problems. Manuscript in preparation.

Ryan R. S., & Howell, S.R. Feedback and interleaved examples improve category induction in statistics. Manuscript in preparation.

#### **PEER REVIEWED PRESENTATIONS:**

Ryan, R. S. (2015, May). *The left to right bias affects start unknown equations*. Paper presented at the 27<sup>th</sup> Annual Convention of the Association for Psychological Science, New York, NY.

Ryan, R. S. (2014, May). *An intervention partially alleviates the attitude decrease in a statistics course*. Paper presented at the 26<sup>th</sup> Annual Convention of the Association for Psychological Science, San Francisco, CA.

Ryan, R. S. (2013, May). *Practicing retrieval of facts in statistics benefits high ability students but hurts low ability students*. Paper presented at the 25<sup>th</sup> Annual Convention of the Association for Psychological Science, Washington, DC.

Ryan, R. S., & Howell, S. R., (2012, May). *Feedback and interleaved examples improve category induction in statistics*. Paper presented at the 24<sup>th</sup> Annual Convention of the Association for Psychological Science, Chicago, IL.

Ryan, R. S., Howell, S. R., Kappus, D. W., & Wilde, M. E. (2011, June). *The elusive interleaving effect: Why doesn't interleaving improve learning from examples in statistics?* Paper presented at the Ninth Biennial Meeting of the Society for Applied Research in Memory and Cognition, New York, NY.

- Ryan, R. S., & Snoddy, S. P. (2011, May). *The role of semantic support and equation format in algebra problem solving*. Paper presented at the 23rd Annual Convention of the Association for Psychological Science, Washington, DC.
- Ryan, R. S., Howell, S. R., Shaw, H. A., Kappus, D., Wilde, M. E., & Crist, S. L., (2010, October). *Using interleaved examples to teach inferential statistics*. Presented at the First Annual PASSHE Psychology Potluck Conference, Indiana University of Pennsylvania, Indiana, PA.
- Ryan, R. S., Howell, S. R., & Shaw, H. A. (2010, May). *Does interleaving rather than blocking facilitate learning examples in statistics?* Presented at the 22nd Annual Convention of the Association for Psychological Science, Boston, MA.
- Ryan, R. S., Wilde, M., Crist, S., Gilroy, M., and Scala, L. (2010, April). *A comparison between two studies shows that large, web-based studies have benefits that outweigh their potential costs*. Paper presented at the University of Scranton's 25th Annual Psychology Conference, Scranton, PA.
- Ryan, R. S., Miller, B. A., Craig, S. J., Fitzpatrick, E. J., & O'Donnell, C. M. (2009, May). *Given the choice, students select an inferior training method For algebra problems*. Paper presented at the 21st Annual Convention of the Association for Psychological Science, San Francisco, CA.
- Ryan, R. S., Lustman, B., Williams, K., Scott, S., Elbeleidy, H., Griffiths, S., & Dailey, S. (2009, March). *Global processing improves face identification, but only for a sequential lineup, and a sequential lineup fails to reduce false identifications*. Paper presented at the 80th Annual Convention of the Eastern Psychological Association, Pittsburgh, PA.
- Ryan, R. S., Lustman, B., Elbeleidy, H., Williams, K., & Scott, S. (2008, May). *Local processing increases false identifications*. Paper presented at the 20th Annual Meeting of the Association for Psychological Science, Chicago, IL.
- Ryan, R. S., Driscoll, N., Gilroy, M., Parker, T., Robison, B., Scala, L., Seiverling, L., & Windfelder, S. (2008, March). *The frighteningness of non-disgusting insects angers males more than females*. Paper presented at the 79th Annual Meeting of the Eastern Psychological Association, Boston, MA.
- Ryan, R. S., Cipko, J., & Rizzo, A. (2006, March). *Characteristics of pictures of insects associated with fear and disgust*. Paper presented at the annual meeting of the Eastern Psychological Association, Baltimore, MD.
- Ryan, R. S., Aulenbach, R., Becker, M., Johnson, T., Christman, J., Murray, K., & Bergmaier, J. (2006, May). *Global processing improves self-assessment of face recognition ability*. Paper presented at the annual meeting of the Association for Psychological Science, New York, NY.
- Ryan, R. S., Nair, L., Knudsen, J., Kise, L., Rizzo, A., & Machlev, M. (2005, March). *Comparing algebra word problems facilitates inducing an abstract schema for a solution procedure, but not a general principle*. Paper presented at the annual meeting of the Eastern Psychological Association, Boston, MA.
- Ryan, R.S., Machlev, M., & Knudsen, J. (2005, May). *Simplified training in logic rules improves performance on modus tollens, but impairs performance on modus ponens*. Paper presented at the annual meeting of the American Psychological Society, Los Angeles, CA.

- Ryan, R. S., & Nair, L. (2004, May). *Surface similarity impairs judgment of usefulness of structural similarity*. Paper presented at the annual meeting of the American Psychological Society, Chicago, IL.
- Ryan, R. S. (2003, May). *Misleading surface features impair the recognition of a useful analogy*. Paper presented at the annual meeting of the American Psychological Society, Atlanta, GA.
- Ryan, R. S., & Schooler, J. W. (2002, June). *Analogical feature matching predicts ability to apply a general principle to new surface features*. Paper presented at the annual meeting of the American Psychological Society, New Orleans, LA.
- Ryan, R. S., & Schooler, J. W. (2001, June). *Analogical reasoning with examples facilitates inferring general principles in spite of the risk of negative transfer*. Paper presented at the annual meeting of the American Psychological Society, Toronto, ON.
- Ryan, R. S., & Schooler, J. W. (1999, July). *Whom do words hurt?: Individual differences in susceptibility to verbal overshadowing*. Paper presented at the Third Biennial Meeting of the Society for Applied Research in Memory and Cognition, Boulder, Co.
- Ryan, R. S., & Schooler, J. W. (1998, May). *Aligning dissimilar problems facilitates the transfer of principles as well as procedures*. Paper presented at the annual meeting of the American Psychological Society, Washington, D.C.
- Ryan, R. S. (1996, December). *The role of self-explanation in adapting as well as transferring a solution procedure*. Unpublished doctoral dissertation, University of Pittsburgh.
- Ryan, R. S. (1996, June). *The role of self-explanation in adapting as well as transferring a solution procedure*. Paper presented at the Fourteenth Annual CMU-Pitt Conference on Psychology, Pittsburgh.
- Ryan, R. S. (1996, April). *The role of explaining analogical mappings in adapting as well as transferring a solution procedure*. Paper presented at the University of Pittsburgh Cognitive Brown Bag Series, Pittsburgh.
- Schooler, J. W., Ryan, R. S., & Foster, R. A. (1995, July). *How accurate are witnesses who are certain in their identifications?* Paper presented at the first biennial meeting of the Society for Applied Research in Memory and Cognition, Vancouver.
- Ryan, R. S., & Schooler, J. W. (1995, June). *Describing a face impairs the face recognition of holistic processors more than analytical processors*. Paper presented at the annual meeting of the American Psychological Society, New York.
- Ryan, R. S. (1995, June). *The effects of different kinds of mapping during learning on transfer: A hypothesis*. Paper presented at the Thirteenth Annual Pitt-CMU Conference on Cognition, Pittsburgh.
- Ryan, R. S. (1995, April). *Does explicitly recognizing the correspondences between examples and procedures facilitate transfer?* Paper presented at the University of Pittsburgh Cognitive Brown Bag Series, Pittsburgh.
- Nathan, M. J., Mertz, K., & Ryan, B. (1994, April). *Self-explanation and the effect of cognitive load*. Paper presented at the annual meeting of the American Educational Researchers Association, New Orleans.

- Ryan, R. S. (1993). *Does transfer appropriate processing mediate the verbal overshadowing effect?* Unpublished master's thesis, University of Pittsburgh, Pittsburgh.
- Schooler, J. W., Ryan, R. S., & Fallshore, M. (1992, November). *Verbalization may shift face processing strategies.* Paper presented at Memory Strategies: Theory and Applications, Trieste, Italy.
- Ryan, R. S. (1992, March). *Does transfer appropriate processing mediate the verbal overshadowing effect?* Paper presented at the University of Pittsburgh Cognitive Brown Bag Series, Pittsburgh.
- Schooler, J. W., Ryan, R. S., & Reder, L. M., (1991, July). *Better the second time around: re-presentation reverses verbalization's impairment of face recognition.* Paper presented at the International Conference on Memory, Lancaster University, Lancaster, U. K.
- Ryan, R. S. (1991, June). *Interactive effect of type of learning and verbalization on recognition of faces.* Paper presented at the Ninth Annual Pitt-CMU Conference on Cognition, Pittsburgh.

**PEER REVIEWED STUDENT RESEARCH PRESENTATIONS SPONSORED:**

- Koppenhofer, J. (2018). *Does successful self-explanation improve accuracy?* Poster presented at the 30<sup>th</sup> Annual Convention of the Association for Psychological Science, San Francisco, CA.
- Snoddy, S. P., Ryan, R. S., Dreibelbis, G., & Rhyner, K. (2012, May). *The effects of self generation on the value of feature matching in algebra problems.* Paper presented at the 24<sup>th</sup> Annual Convention of the Association for Psychological Science, Chicago, IL.
- Kappus, D. W., Wilde, M. E., Ryan, R. S., & Howell, S. R. (2011, May). *Using category induction to teach inferential statistics.* Paper presented at the 23rd Annual Convention of the Association for Psychological Science, Washington, DC.
- Craig, S. J., & Ryan, R. S. (2010, May). *Aptitude predicts problem solving performance better than number of analogical training examples.* Presented at the 22nd Annual Convention of the Association for Psychological Science, Boston, MA.
- Windfelder, S., Gilroy, M., Sieverling, L., Driscoll, N., & Robison, B. (2008, April). *The frighteningness of non-disgusting stimuli angers males more than females.* Poster presented at the 9th Annual Berks County Higher Education Council Undergraduate Research and Creativity Conference, Kutztown, PA.
- Lustman, B., Elbeleidy, S., Williams, K., & Scott, S. (2008, April). *Local processing increases false identifications.* Poster presented at the 23rd Annual University of Scranton Psychology Conference, Scranton, PA.
- Cline, T. (2008, March). *Relationship between physical activity and college students' academic achievement.* Poster presented at the 4th Annual KU Psi Chi and Lehigh Valley Psychological Association Student Research Poster Presentation, Kutztown, PA.
- Driscoll, N., Windfelder, S., Robison, B., Seiverling, L., Gilroy, M., & Parker, T. (2008, March). *The frighteningness of non-disgusting insects angers males more than females.* Poster presented at the 4th Annual KU Psi Chi and Lehigh Valley Psychological Association Student Research Poster Presentation, Kutztown, PA.

- Lustman, B., Elbeleidy, S., Williams, K., & Scott, S. (2008, March). *Local vs. global processing effects on facial recognition*. Poster presented at the 4th Annual KU Psi Chi and Lehigh Valley Psychological Association Student Research Poster Presentation, Kutztown, PA.
- Cipko, J., & Rizzo, A. (2005, November). *Characteristics of pictures of insects associated with fear and disgust*. Paper presented at The Lehigh Valley Psychology Association Colloquium, Kutztown University, Kutztown, PA.
- Machlev, M., Becker, M., & Ryan, R. S. (2004, November). *The role of cultural themes and attitudes towards the war in Iraq in perceptions of political candidates*. Paper presented at The Lehigh Valley Psychology Association Colloquium, Kutztown University, Kutztown, PA.
- Johnson, T. M. (2003, April). *Belief in personal competency reduces false identifications*. Paper presented at the 18th Annual Lehigh Valley Association of Independent Colleges Undergraduate Psychology Conference, DeSales University, Center Valley, PA.
- Heitzer, J. M., & Rogalinski, A. (2002, April). *Mental representations of non-goal versus goal oriented word problems*. Paper presented at the Kutztown University Undergraduate Research Symposium, Kutztown University, Kutztown, PA.
- Boles, J., Moorleghen, J., & Woods, E. (2000, March). *Gender and age differences in sexual and emotional jealousy*. Paper presented at the Seventh Annual Blue Ridge Undergraduate Research Conference, Carson-Newman College, Jefferson City, TN.
- Bosely, A., Keller, A., Lightel, E., Linhart, S., & Morikawa, E. (1998, April). *Alternative methods of assessing the accuracy confidence relationship in face identification*. Paper presented at the annual meeting of the Western Pennsylvania Undergraduate Psychology Conference, Allegheny College, Meadville, PA.

#### **UNPUBLISHED STUDIES:**

Verbal Overshadowing Studies with Jonathan W. Schooler

Holistic versus featural face recognition: The differential effect of verbalization on recognition of a whole versus a fragmented face.

Underachievers Study with Robert B. McCall

Feasibility of using a subset of the National Longitudinal Study of Youth for a study of the long term consequences of high school underachievement.

**GRANTS:**

**RESEARCH:**

Kutztown University Assessment Grant, Fall-Spring Semesters 2016-2017

Purpose: Funding to pay research subjects \$15 to take a retention test a semester after participating in the learning phase of an experiment comparing the effects of two study methods on learning and retention of some basic concepts in statistics.

Amount: \$3150.

Kutztown University Research Grant, Summer Semester 2001 - Why Does Comparing Examples Facilitate Problem Solving?

Purpose: Support for a research assistant to score and code data from previously conducted experiments. Data needed for resubmission of a manuscript in progress and to make further progress in research for which outside grant funding will be sought.

Amount: \$2100.

Union College Research and Lecture Series Grant, Spring Semester 2000

Purpose: Funding for research project - "Does comparing example problems with different solutions procedures facilitate representing problems in terms of general principles?"

Amount: \$500

Union College Research and Lecture Series Grant, Spring Semester 1999

Purpose: Funding for research project - "Principle based versus procedural based transfer in algebra problem solving"

Amount: \$501

**TRAVEL GRANTS:**

Kutztown University Professional Development Travel Grant, May, 2015.

Purpose: Travel to 27<sup>th</sup> Annual Convention of the Association for Psychological Science to present a poster.

Amount: \$2078.34.

Kutztown University Professional Development Travel Grant, May, 2014.

Purpose: Travel to 26<sup>th</sup> Annual Convention of the Association for Psychological Science to present a poster.

Amount: \$2000.00.

Kutztown University Professional Development Travel Grant, May, 2013.

Purpose: Travel to 25<sup>th</sup> Annual Convention of the Association for Psychological Science to present a poster.

Amount: \$1629.74.

Kutztown University Professional Development Travel Grant, May, 2012.

Purpose: Travel to 24<sup>th</sup> Annual Convention of the Association for Psychological Science to present two posters.

Amount: \$2114.47.



Kutztown University Psychology Department Travel Grant, June, 2011.

Purpose: Travel to the Ninth Biennial Meeting of the Society for Applied Research in Memory and Cognition to give a talk.

Amount: \$456.

Kutztown University Professional Development Travel Grant, May, 2011.

Purpose: Travel to 23<sup>rd</sup> Annual Convention of the Association for Psychological Science to present two posters.

Amount: \$1382.61.

Kutztown University Psychology Department Travel Grant, May, 2010.

Purpose: Travel to 22nd Annual Convention of the Association for Psychological Science to present two posters.

Amount: \$950.

Kutztown University Professional Development Travel Grant, May, 2009.

Purpose: Travel to 21st Annual Convention of the Association for Psychological Science to present a poster.

Amount: \$1300.

Kutztown University Psychology Department Travel Grant, May, 2009.

Purpose: Travel to NSF Day at IUP workshop.

Amount: \$289.02.

Kutztown University Professional Development Travel Grant, May, 2008.

Purpose: Travel to 20<sup>th</sup> Annual Convention of the Association for Psychological Science to present a poster.

Amount: \$1300.

Kutztown University Professional Development Travel Grant, May, 2006.

Purpose: Travel to 18<sup>th</sup> Annual Convention of the Association for Psychological Science to present a poster.

Amount: \$460.32

Kutztown University Professional Development Travel Grant, May, 2005.

Purpose: Travel to 17<sup>th</sup> Annual Convention of the American Psychological Society to present a poster.

Amount: \$1200.

Kutztown University Professional Development Travel Grant, May, 2004.

Purpose: Travel to 16<sup>th</sup> Annual Convention of the American Psychological Society to present a poster.

Amount: \$1250.

Kutztown University Professional Development Travel Grant, May, 2003.

Purpose: Travel to 15<sup>th</sup> Annual Convention of the American Psychological Society to present a poster.

Amount: \$1100.

Kutztown University Professional Development Travel Grant, June, 2002.  
Purpose: Travel to 14<sup>th</sup> Annual Convention of the American Psychological Society to present a poster.  
Amount: \$1000.

Kutztown University Professional Development Travel Grant, June, 2001.  
Purpose: Travel to 13<sup>th</sup> Annual Convention of the American Psychological Society to present a poster.  
Amount: \$818.

Union College Travel Grant, Spring Semester 2000  
Purpose: Travel to Seventh Annual Blue Ridge Undergraduate Research Conference, Carson-Newman College, Jefferson City, TN, March 31, 2000 to sponsor students presenting a paper.  
Amount: \$150.

Union College Faculty Development Minigrant, Spring Semester 2000 - Title III Grant - Improving Academic Programs and Student Learning Through Integrating Technology  
Purpose: Support development of an Experimental Psychology course integrating the use of software for running experiments, analyzing data, and for graphing and reporting results Also integrating use of computer projection equipment for classroom demonstrations of such software.  
Amount: \$3000.

Union College Travel Grant, Summer 1999  
Purpose: Travel to Third Biennial Meeting of the Society for Applied Research in Memory and Cognition, Boulder, Co, July 8-11, 1999, to present a paper.  
Amount: \$600

#### **PROFESSIONAL ORGANIZATIONS:**

American Psychological Association  
American Association for the Advancement of Science  
Association for Psychological Science  
Sigma Xi – Associate Member - 1997 to 2007  
Full Member, 2007 - present  
Society for Applied Research in Memory and Cognition

#### **CONFERENCES AND WORKSHOPS ATTENDED:**

- Association for Psychological Science – May 21 – May 24, 2015, New York, NY.
- Association for Psychological Science – May 22 – May 25, 2014, San Francisco, CA.
- Association for Psychological Science – May 23 – May 26, 2013, Washington, DC.
- Association for Psychological Science – May 24 – May 27, 2012, Chicago, IL.
- Ninth Biennial meeting of the Society for Applied Research in Memory and Cognition (SARMAC IX), June 27 - 29, 2011, New York, NY.
- Association for Psychological Science – May 26 – May 29, 2011, Washington, DC.
- PASSHE Potluck Psychology Conference - October 22 - October 23, 2010 - Indiana University of Pennsylvania, Indiana, PA.

- Association for Psychological Science – May 27 – May 30, 2010, Boston, MA.
- University of Scranton's Psychology Conference - April 17, 2010, Scranton, PA.
- Third Annual Assessment Symposium - November 14, 2009 - Kutztown University, Kutztown, PA.
- Association for Psychological Science – May 21 – May 24, 2009, San Francisco, CA.
- NSF Day at IUP Workshop - May 21, 2009, Indiana University of Pennsylvania, Indiana, PA.
- Eastern Psychological Association, March 5 - March 8, 2009, Pittsburgh, PA.
- Neuroscience Research Day - Nov. 22, 2008, Penn State Milton S. Hershey Medical Center - Hershey, PA.
- Association for Psychological Science – May 22 – May 25, 2008, Chicago, IL.
- 9th Annual Berks County Higher Education Council Undergraduate Research and Creativity Conference - April 26, 2008 - Kutztown University, Kutztown, PA
- The Lehigh Valley Psychology Association Colloquium - March 24, 2008, Kutztown University, Kutztown, PA.
- Eastern Psychological Association, March 13 - March 16, 2008, Boston, MA.
- Association for Psychological Science – May 25 – May 28, 2006, New York, NY.
- Eastern Psychological Association, March 16 - March 19, 2006, Baltimore, MD.
- The Lehigh Valley Psychology Association Colloquium, November 16, 2005, Kutztown University, Kutztown, PA.
- American Psychological Society – May 26 – May 29, 2005, Los Angeles, CA.
- Eastern Psychological Association, March 10 - March 13, 2005, Boston, MA.
- The Lehigh Valley Psychology Association Colloquium, November 17, 2004, Kutztown University, Kutztown, PA.
- American Psychological Society – May 27 – May 30, 2004, Chicago, IL
- Kutztown University Middle Level Education Conference – Oct. 13, 2003, Kutztown, PA.
- American Psychological Society – May 29 – June 1, 2003, Atlanta, GA.
- 18th Annual Lehigh Valley Association of Independent Colleges Undergraduate Psychology Conference, April 12, 2003, DeSales University, Center Valley, PA.
- American Psychological Society - June 6 - 9, 2002, New Orleans, LA.
- Kutztown University Undergraduate Research Symposium, April 24, 2002, Kutztown University, Kutztown, PA.
- American Psychological Society - June 14 - June 17, 2001, Toronto, ON.
- Seventh Annual Blue Ridge Undergraduate Research Conference, March 31, 2000, Carson-Newman College, Jefferson City, TN.
- Third Biennial meeting of the Society for Applied Research in Memory and Cognition (SARMAC III), June 9 - 11, 1999, Boulder Colorado.
- American Psychological Society - May 21 - May 24, 1998, Washington, D.C.
- Western Pennsylvania Undergraduate Psychology Conference, April 18, 1998, Allegheny College, Meadville, PA
- American Psychological Society - May 23 - May 26, 1997, Washington, D.C.
- Annual Pitt-CMU Conference on Cognition - 1989 through 1996, Pittsburgh.
- Cognitive Science - July 22 - 25, 1995, Pittsburgh.
- American Psychological Society - June 29 - July 2, 1995, New York.
- Math<sup>3</sup> - 1991, University of Pittsburgh.

## EFFECTIVENESS IN TEACHING

### NEW COURSES DEVELOPED:

Contemporary Developments and Careers in Psychological Science. Approved by Kutztown University's University Curriculum Committee, Feb. 2014.

Selected Topics: Foundations of Psychology, Spring 2013. Developed for Kutztown University, Spring 2013.

Honors Course. Selected Topics: Consciousness - The Modern Scientific Approach. Developed for Kutztown University, Spring, 2007.

Research Practicum Courses. Developed upper level course requiring research presentation at a conference for Union College of Kentucky, 1999.

### COURSES TAUGHT:

#### Kutztown University

<u>Term</u>	<u>Calendar Year</u>	<u>Course</u>
Fall	2022 (Covid) (face to face masked)	Introductory Statistics with Lab Cognitive Psychology (2 sections) General Psychology – (face to face)
Summer I	2022 (Covid)	General Psychology – 100% online
Spring	2022 (Covid) (face to face masked)	Cognitive Psychology Experimental Psychology with Lab (2 sections) General Psychology – (face to face)
Fall	2021 (Covid) (face to face masked)	Introductory Statistics with Lab Cognitive Psychology (2 sections) General Psychology – 100% online
Summer I	2021 (Covid)	General Psychology – 100% online
Spring	2021 (Covid) (remote via Zoom)	Cognitive Psychology Experimental Psychology with Lab (2 sections) General Psychology – 100% online
Fall	2020 (Covid) (remote via Zoom)	Introductory Statistics with Lab Cognitive Psychology (2 sections) General Psychology – 100% online
Summer I	2020 (Covid)	General Psychology – 100% online
Spring	2020 (Covid) (started 100% online in Mar.)	Cognitive Psychology Experimental Psychology with Lab (2 sections) General Psychology – 100% online
Fall	2019	Introductory Statistics with Lab Cognitive Psychology (2 sections) General Psychology – 100% online

Summer I	2019	General Psychology – 100% online
Spring	2019	Cognitive Psychology Experimental Psychology with Lab (2 sections)
Fall	2018	General Psychology – 100% online Introductory Statistics with Lab Psychological Measurement (2 sections) General Psychology – 100% online
Summer I	2018	General Psychology – 100% online
Spring	2018	Cognitive Psychology Experimental Psychology with Lab (2 sections)
Fall	2017	General Psychology – 100% online Introductory Statistics with Lab Experimental Psychology with Lab Lifespan Development – 100% online General Psychology – 100% online
Summer I	2017	General Psychology – 100% online
Spring	2017	(Sabbatical)
Fall	2016	(Sabbatical)
Spring	2016	Introductory Statistics with Lab (2 sections) Experimental Psychology with Lab (2 sections)
Fall	2015	Introductory Statistics with Lab (2 sections) Experimental Psychology with Lab (2 sections)
Summer I	2015	General Psychology – 100% online
Spring	2015	Introductory Statistics with Lab (2 sections) Experimental Psychology with Lab (2 sections)
Fall	2014	Introductory Statistics with Lab (2 sections) Experimental Psychology with Lab (2 sections) Learning, Motivation, and Emotion (overload)
Summer I	2014	General Psychology – 100% online
Spring	2014	Introductory Statistics with Lab (2 sections) Experimental Psychology with Lab (2 sections)
Fall	2013	Introductory Statistics with Lab (2 sections) Experimental Psychology with Lab Theories of Learning (Graduate level)
Spring	2013	Introductory Statistics with Lab (2 sections) Experimental Psychology with Lab (2 sections [ 1 overload]) Special Topics: Foundations of Psychology
Fall	2012	Introductory Statistics with Lab (2 sections) Experimental Psychology with Lab Theories of Learning (Graduate level)

Summer I	2012	General Psychology – 100% online Theories of Learning (Graduate level) 3 students - Indiv. Instr.
Spring	2012	Introductory Statistics with Lab (2 sections) Cognitive Psychology
Fall	2011	Theories of Learning (Graduate level) Introductory Statistics with Lab (2 sections) Experimental Psychology with Lab Theories of Learning (Graduate level)
Spring	2011	Introductory Statistics with Lab (2 sections) Cognitive Psychology
Fall	2010	Theories of Learning (Graduate level) Introductory Statistics with Lab (2 sections) Experimental Psychology with Lab Theories of Learning (Graduate level)
Spring	2010	Introductory Statistics with Lab (2 sections) Cognitive Psychology Theories of Learning (Graduate level) Selected Research Topics in Psychology:- "Effect of Interleaving Examples on Learning and Retaining Knowledge of Which Statistical Test to Use in Which Research Situation"- Indiv. Instr.
Fall	2009	Introductory Statistics with Lab (2 sections) Experimental Psychology with Lab Theories of Learning (Graduate level)
Summer I	2009	Theories of Learning (Graduate level)
Spring	2009	Experimental Psychology with Lab (2 sections) Cognitive Psychology Theories of Learning (Graduate level) Practicum in Psychology:- "Research Questions Regarding How to Apply Cognitive Principles of Learning to Classroom Practice"- Indiv. Instr.
Fall	2008	Introductory Statistics with Lab (2 sections) Experimental Psychology with Lab Theories of Learning (Graduate level)
Summer I	2008	Theories of Learning (Graduate level)
Spring	2008	Introductory Statistics with Lab (2 sections) Experimental Psychology with Lab (2 sections) Theories of Learning (Graduate level)
Fall	2007	Introductory Statistics Experimental Psychology with Lab (2 sections) Learning, Motivation, and Emotion

Summer I	2007	General Psychology Theories of Learning (Graduate level)
Spring	2007	Experimental Psychology with Lab (2 sections) Honors - Selected Topics: Consciousness Theories of Learning (Graduate level)
Fall	2006	Experimental Psychology with Lab (2 sections) Cognitive Psychology Inferential Stats and Exper. Design (Graduate level)
Summer I	2006	Theories of Learning (Graduate level) Selected Research Topics in Psychology:- "Research Questions Regarding How to Apply Cognitive Principles of Learning to Classroom Practice"- Indiv. Instr.
Spring	2006	Experimental Psychology with Lab (2 sections) Learning, Motivation, and Emotion (2 sections)
Fall	2005	Experimental Psychology with Lab (2 sections) Cognitive Psychology (formerly called Cognitive Processes) Inferential Stats and Exper. Design (Graduate level)
Summer II	2005	General Psychology
Spring	2005	Introductory Statistics (2 sections) Experimental Psychology Theories of Learning (Graduate level)
Fall	2004	Experimental Psychology with Lab Learning, Motivation, and Emotion (2 sections) Cognitive Processes
Summer II	2004	General Psychology Theories of Learning (Graduate level)
Spring	2004	General Psychology (2 sections) Experimental Psychology with Lab Theories of Learning (Graduate level)
Fall	2003	Introductory Statistics Learning, Motivation, and Emotion (2 sections) Cognitive Processes
Summer II	2003	Theories of Learning (Graduate level) Inferential Stats and Exper. Design (Graduate level) - Indiv. Instr.
Spring	2003	Inferential Stats and Exper. Design (Graduate level) - Indiv. Instr. General Psychology (2 sections) Cognitive Processes Theories of Learning (Graduate level)
Fall	2002	Inferential Stats and Exper. Design (Graduate level) Learning, Motivation, and Emotion (2 sections) Cognitive Processes General Psychology (Reading Hospital Nursing Program)

Summer II	2002	Introductory Statistics Theories of Learning (Graduate level)
Summer I	2002	Theories of Learning (Graduate level) Individ. Instr.
Spring	2002	General Psychology (2 sections) Cognitive Processes Theories of Learning (Graduate level)
Winter	2002	General Psychology
Fall	2001	Introductory Statistics (2 sections) Learning, Motivation, and Emotion Inferential Stats and Exper. Design (Graduate level) Theories of Learning (Graduate level) Individ. Instr.
Summer II	2001	Introductory Statistics Theories of Learning (Graduate level)
Spring	2001	General Psychology Learning, Motivation, and Emotion (2 sections) Cognitive Processes Theories of Learning (Graduate level)
Fall	2000	Theories of Learning (Graduate level) Individ. Instr. General Psychology (3 Sections) Learning, Motivation, and Emotion

**Union College, Barbourville, KY**

<u>Term</u>	<u>Calendar Year</u>	<u>Course</u>
Spring	2000	Introductory Psychology Experimental Psychology Theories of Learning (Undergraduate and graduate) Physiological Psychology Research Practicum
Fall	1999	Introductory Psychology Psychology of Personal Adjustment Cognition Child Development
Summer	1999	Psychology of Personal Adjustment Basic Statistics
Spring	1999	Introduction to Psychology Psychology of Personal Adjustment Sensation and Perception
Fall	1998	Introduction to Psychology Cognition Child Development Personality



**Slippery Rock University**

<u>Term</u>	<u>Calendar Year</u>	<u>Course</u>
Spring	1998	Principles of Psychology (3 sections) Cognitive Psychology
Fall	1997	Supervised Internship (1 intern) Experimental Psychology (2 sections) Experimental Lab (4 sections) Supervised Internship (1 intern) Principles of Psychology Cognitive Psychology
Spring	1997	Experimental Psychology Experimental Lab (2 sections)
Fall	1996	Principles of Psychology Introductory Statistics Experimental Psychology Experimental Lab (2 sections)

**University of Pittsburgh - Teaching Fellowships (or Teaching Assistantships) for Undergraduate Courses**

<u>Term</u>	<u>Calendar Year</u>	<u>Course</u>
Summer	1996	Research Methods Lab
Spring	1996	Research Methods Lecture
Fall	1995	Research Methods Lab (2 sections)
Summer	1995	Research Methods Lecture
Spring	1995	Intro to Psych Statistics
Fall	1994	Human Learning and Cognition Lab
Summer	1994	Intro to Psych Statistics
Spring	1994	Intro to Psych Statistics
Fall	1993	Intro to Psych Statistics
Fall	1992	Human Learning and Cognition Lab
Summer	1990	Intro to Psych Statistics (TA)
Spring	1990	Intro to Psych Statistics (TA)
Fall	1989	Intro to Psych Statistics (TA)

**Other teaching experience**

Tutored undergraduates in statistics for two and a half years while on research assistantship, Fall 1990, Spring, Summer, and Fall 1991, Spring and Summer 1992, and Spring and Summer 1993.

**Montessori Center Academy, Glenshaw, PA.**

Latin - 4th, 5th, and 6th grade 1991 - 1996  
Math - 5th and 6th grade 1992 - 1996  
Music - 1st through 6th grades 1991 - 1992  
Developed and taught a special math and computer problem solving summer camp program for 3rd through 6th graders, 1996

## **SERVICE: CONTRIBUTION TO THE UNIVERSITY AND/OR COMMUNITY**

### **SERVICE TO THE UNIVERSITY:**

Fall – Spring 2021-2022

University Wide

- Served on General Education Assessment Committee
- Served on Institutional Review Board (IRB)
- Served on UGRC Faculty Advisory Council

College

- Alternate on Research Committee as the Member of Natural Sciences, Information Technology, Computer Science or Mathematics, College of Liberal Arts & Sciences

Department

- Chair of Psychology Department Promotion, Evaluation, and Tenure Committee
- Served on Psychology Department Statistics and Experimental Coordinating Committee
- Served on Psychology Department Assessment Committee
- Administrator of Web Based Psych Subject Pool System

Fall – Spring 2020-2021

University Wide

- Served on General Education Assessment Committee
- Served on Institutional Review Board (IRB)
- Served on UGRC Faculty Advisory Council

Department

- Served on Psychology Department Statistics and Experimental Coordinating Committee
- Served on Psychology Department Assessment Committee
- Administrator of Web Based Psych Subject Pool System

Fall - Spring 2019 – 2020

University Wide

- Served on General Education Assessment Committee

Department

- Chair of Career Day Materials Update Committee
- Served on promotion committee for Dr. Michele Baranczyk, an active researcher
- Served on Psychology Department Statistics and Experimental Coordinating Committee
- Served on Psychology Department Assessment Committee
- Administrator of Web Based Psych Subject Pool System

Fall - Spring 2018 – 2019

University Wide

- Served on General Education Assessment Committee

College

- Contributed to data on outcomes for research assistants and interns

Department

- Served on Psychology Department Statistics and Experimental Coordinating Committee
- Served on Psychology Department Assessment Committee
- Administrator of Web Based Psych Subject Pool System

Fall - Spring 2017 – 2018

University Wide

Served on General Education Assessment Committee

Department

Served on Psychology Department Statistics and Experimental Coordinating Committee

Served on Psychology Department Assessment Committee

Administrator of Web Based Psych Subject Pool System

Fall – Spring 2016 – 2017

University Wide

Psychology Department Representative to APSCUF

APSCUF Membership committee

Academic Affairs

Department

Chair of Psychology Department Statistics and Experimental Coordinating Committee

Psychology Department Assessment Committee

Administrator of Web Based Psych Subject Pool System

Fall - Spring 2015 – 2016

University Wide

Psychology Department Representative to APSCUF

APSCUF Membership committee

Department

Chair of Psychology Department Statistics and Experimental Coordinating Committee

Psychology Department Assessment Committee

Administrator of Web Based Psych Subject Pool System

PET committee for Jason Lanter and Michele Baranczyk

Fall - Spring 2014 – 2015

University Wide

Psychology Department Representative to APSCUF

College

Peer reviewer for PASSHE FPDC grants

Department

Chair of Psychology Department Statistics and Experimental Coordinating Committee

Psychology Department Assessment Committee

Administrator of Web Based Psych Subject Pool System

Fall - Spring 2013 – 2014

University Wide

Psychology Department Representative to APSCUF

CET talk on applying cognitive principles to education

College

ADA Task Force

Department

Chair of Psychology Department Statistics and Experimental Coordinating Committee

Psychology Department Assessment Committee

Administrator of Web Based Psych Subject Pool System

Fall - Spring 2012 – 2013

University Wide

Psychology Department Representative to APSCUF

APSCUF Membership Committee

College

ADA Task Force

Department

Chair of Psychology Department Statistics and Experimental Coordinating Committee

Psychology Department Assessment Committee

Administrator of Web Based Psych Subject Pool System

Foundations course development committee

Fall - Spring 2011 – 2012

University Wide

Psychology Department Representative to APSCUF

APSCUF Membership Committee

College

ADA Task Force

Gen. Ed. Assessment Workshop

Undergraduate Research Committee

Department

Chair of Psychology Department Statistics and Experimental Coordinating Committee

Psychology Department Assessment Committee

Administrator of Web Based Psych Subject Pool System

Foundations course development committee

Promotion committee for Derek Mace, an active researcher

Fall - Spring 2010 – 2011

University Wide:

Psychology Department Representative to APSCUF

APSCUF Grievance Committee

Willing to serve on APSCUF General Education Assessment Committee

College

ADA Task Force

Undergraduate Research Committee

Department

Chair of Psychology Department Statistics and Experimental Coordinating Committee

D2L Gradebook Workshop

Administrator of Web Based Psych Subject Pool System

Psychology Department Assessment Committee

Attended Psy Chi Dinner and Induction ceremony

Fall - Spring 2009 - 2010

University Wide:

- Psychology Department Liaison to Office of Assessment
- Psychology Department Representative to APSCUF
- APSCUF Grievance Committee
- CET talk on applying cognitive principles to education

College:

- Undergraduate Research Committee
- ADA Task Force
- Online Course: DoIt Prof

Department:

- Chair of Psychology Department Statistics and Experimental Coordinating Committee
- Administrator of Web Based Psych Subject Pool System
- Psychology Department Assessment Committee
- Psychology Department New Biopsych Track Committee

Fall-Spring 2008-2009

University Wide:

- Psychology Department Liaison to Office of Assessment
- Psychology Department Representative to APSCUF
- APSCUF Grievance Committee
- Served on PET Committee for Faculty From Another Department

College:

- Undergraduate Research Committee
- ADA Task Force

Department:

- Chair of Psychology Department Statistics and Experimental Coordinating Committee
- Administrator of Web Based Psych Subject Pool System
- Combined Research Lab Space and Classroom Style Computer Lab Committee
- Re-wrote Part of Psychology Department Self-Study Addressing Uneven Student Research Engagement
- Psychology Department Assessment Committee
- Psychology Department New Biopsych Track Committee

Fall-Spring 2007-2008

University Wide:

- Capacity Building Institute Planning Committee
- Psychology Department Representative to APSCUF
- APSCUF Legislative Committee
- At large representative to University Senate

College:

- Undergraduate Research Committee
- ADA Task Force

Department:

- Tenure track search committee
- Administrator of Web Based Psych Subject Pool System
- Committee to Revise the Comprehensive Exam
- Combined Research Lab Space and Classroom Style Computer Lab Committee

Fall-Spring 2006-2007

University Wide:

- At large representative to University Senate
- Psychology Department Representative to APSCUF
- Subcommittee for Educational Offerings for Middle States Review Self Study
- Volunteer for the APSCUF welcome tent for new and returning students

College:

- Undergraduate Research Committee
- ADA Task Force

Department:

- Tenure track search committee
- Search committee for temporary faculty
- Administrator of Web Based Psych Subject Pool System
- Committee for New Computer Classroom
- Comprehensive Exam advisory committee
- Committee on Career Orientation for Psychology majors
- Committee on revising PSY 200 and PSY 270
- Psychology Department Fall Open House
- Committee on research lab space
- Developed policy on research participation for Gen. Psych.

Fall-Spring 2005-2006

University Wide:

- At large representative to University Senate
- Psychology Department Representative to APSCUF
- APSCUF bylaws committee
- Volunteer for the APSCUF welcome tent for new and returning students
- Volunteer Recruiter for Faculty and Staff Campaign

College:

- ADA Task Force

Department:

- Administrator of Web Based Psych Subject Pool System
- Committee on Career Orientation for Psychology majors
- Committee on revising PSY 200 and PSY 270
- Committee to write learning objectives for Comprehensive Exam
- Comprehensive Exam advisory committee
- Tenure track search committee

Fall-Spring 2004-2005

University Wide:

Psychology Department Representative to APSCUF  
Group Facilitator for Code of Civility Training

College:

ADA Task Force

Department:

Chair of Psych IRB Committee  
Administrator of Psych Subject Pool  
Began a new web based subject pool system  
Committee on Career Orientation for Psychology majors  
Committee on revising PSY 200 and PSY 270  
Search committee for temporary faculty  
New-faculty mentor for Charles Schreiber  
Graduate Assistant search committee

Fall-Spring 2003-2004

University:

KU Institutional Review Board for Protection of Human Subjects  
APSCUF Bylaws Committee

College:

ADA Task Force

Department:

Chair of Psych IRB Committee  
Administrator of Psych Subject Pool  
Temporary Faculty Search Committee  
Served on planning committee for May 2004 department retreat  
Attended and contributed to May 2004 department retreat  
MA Joint Committee (Spring 2004)  
Graduate Assistant Selection Committee  
Helped proctor the Psychology Department Comprehensive Exam

Fall-Spring 2002-2003

University Wide:

KU Institutional Review Board for Protection of Human Subjects

College:

COLA Committee on First Year Experience  
ADA Task Force

Department:

Chair of Psych IRB Committee  
Administrator of Psych Subject Pool  
Search committee for temporary faculty  
New-faculty mentor to Steve Oross

Fall-Spring 2001-2002

College:

ADA Task Force

COLA Committee on First Year Experience

Department:

Chair of Psych IRB Committee

Developed Psychology Department Subject Pool

Psychology Department Equipment Budget Committee

Served at advisement meeting of Psychology majors

Two search committees

Fall-Spring 2000-2001

University Wide:

College:

ADA Task Force

Department:

Chair of Psych IRB Committee

Psychology Department Equipment Budget Committee

Addressed the Psychology Club/Psi Chi Club



**SERVICE TO THE COMMUNITY:**

Peer reviewed a manuscript submitted for publication to Teaching of Psychology, October 15, 2022.

Peer reviewed a manuscript submitted for publication to Computers in Human Behavior, March 29, 2020.

Served as a judge at the Pennsylvania Junior Academy of Science (A junior and senior high school science fair for the Eastern counties of Pennsylvania), Feb. 29, 2020

Peer reviewed a manuscript submitted for publication to Computers in Human Behavior, November 3, 2016.

Attended field meeting of Governor's Advisory Commission on Postsecondary Education, June 14, 2012.

Served as a judge at the Pennsylvania Junior Academy of Science (A junior and senior high school science fair for the Eastern counties of Pennsylvania), Feb. 25, 2012

Served as a judge at the Pennsylvania Junior Academy of Science (A junior and senior high school science fair for the Eastern counties of Pennsylvania), Feb. 26, 2011

Brain Awareness Day. Presentations of activities designed to stimulate interest in and awareness of psychological science for Kutztown Elementary School Students. April 21st, 2009.

Served as a judge at the Pennsylvania Junior Academy of Science (A junior and senior high school science fair for the Eastern counties of Pennsylvania), Feb. 28, 2009

Reviewed a grant for the PA State System of Higher Education Faculty Professional Development Council. Fall 2008-Spring 2009.

Reviewed "Statistics In Psychological Research" by Schulkind for Allyn and Bacon/Longman. Spring 2009.

Reviewed "Observing Behavior: Methods in Psychological Research" by Dawn M. McBride for Sage Publications. Spring 2009.

Served on the planning committee for (Spring, 2008) , and served as a session moderator for the 9th Annual Berks County Higher Education Council Undergraduate Research and Creativity Conference, April 26th, 2008.

Presentation at the Kutztown University Middle Level Education Conference – Oct. 13, 2003. "The Science of Psychology: Engaging the Interest of Middle School Students".

Presentations at Lehigh Valley Mayfair Arts Festival at the Lehigh Valley Discovery Center Science Tent. (The Discovery Center's participation in the Arts Festival is part of the American Association for the Advancement of Science's Project 2061 to Build Public Support for Science Literacy.)

- Mayfair Festival of the Arts, May 22 – 26, 2003, Allentown, PA.
- Mayfair Festival of the Arts, May 30, 2004, Allentown, PA.

## HONORS AND AWARDS

### RECOGNITION OF THE REPRODUCIBILITY PROJECT: PSYCHOLOGY

Co-author of Reproducibility Project: Psychology that was named #1 of The Six Most Interesting Psychology Papers of 2015 by The New Yorker Magazine, #8 of Top 100 Stories of 2015 by Discover Magazine, #6 by Science News, #5 in Altmetric100, Nature Magazine's Top Science Stories of 2015, and a runner-up for Breakthrough of the Year by Science Magazine

### TEACHING AWARD:

Teaching Excellence Award presented by the faculty of the Cognitive Program of the Psychology Department, University of Pittsburgh, 1995.