**Alyson E. Lischka**

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**Education**

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| --- | --- | --- | --- | --- |
| **Degree** | **Date Conferred** | **Institution** | **Major** | **Dates** |
| Ed.D. | July 2012 | Kennesaw State University | Teacher Leadership for Learning, Concentration: Adolescent Mathematics | 2009 – 2012 |
| Ed.S. | July 2010 | Kennesaw State University | Teacher Leadership for Learning, Concentration: Adolescent Mathematics | 2009 – 2010 |
| M.Ed. | December 1999 | Georgia State University | Secondary Mathematics Education | 1996 – 1999 |
| B.S. | May 1994 | Michigan State University | Mathematics | 1990 – 1994 |

**Academic and Professional Experience**

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| **Position** | **Employer** | **Dates** |
| Assistant Professor | Middle Tennessee State University  Department of Mathematical Sciences | 2013 - present |
| Lecturer of Mathematics and Mathematics Education | Kennesaw State University | 2010 – 2013 |
| Mathematics Instructor | Georgia Perimeter College | August – December 2009 |
| Mathematics Teacher | Fulton County Schools (GA):  Roswell High School | 2008 – 2009 |
| Mathematics Teacher;  Department Chair (2005-2008) | Fulton County Schools (GA):  Tri-Cities High School | 1995 – 2008 |
| Professional Learning Facilitator | Fulton County Schools (GA) | 1999 – 2008 |
| Mathematics Instructor | Michigan State University | 1992 – 1995 |

**Publications**

**Peer Reviewed Journal Articles, Peer Reviewed Conference Proceedings, Book Chapters, Dissertation**

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| **Lischka, A. E.,** Gerstenschlager, N. E., Stephens, D. C., Barlow, A. T., & Strayer, J. F. (in press). Making room for inspecting mistakes. *Mathematics Teacher.* |
| Willingham, J. C., Strayer, J. F., Barlow, A. T., & **Lischka, A. E.** (in press). Examining mistakes to shift student thinking. *Mathematics Teaching in the Middle School.* |
| Barlow, A. T., Watson, L. A., Tessema, A. A., **Lischka, A. E.,** & Strayer, J. F. (in press). Inspection-worthy mistakes: Which? and why?. *Teaching Children Mathematics.* |
| **Lischka, A. E.,** Strayer, J., Watson, L., & Quinn, C. (in press). Building mathematical knowledge for teaching in a geometry course for preservice teachers. In *Proceedings of the 39th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education,* Indianapolis, IN. |
| Kastberg, S., **Lischka, A. E.,** & Hillman, S. (in press). Investigating the relational nature of feedback practice. In *Proceedings of the 39th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education,* Indianapolis, IN. |
| Kastberg, S., Tyminski, A., Sanchez, W. B., & **Lischka, A. E.** (in press). Setting the stage: Explorations of mathematics teacher educator practices. In S. Kastberg, A. Tyminski, **A. E. Lischka**, & W. B. Sanchez (Eds.) *Building Support For Scholarly Practices In Mathematics Methods*. Information Age Publishing. |
| Casey, S., Fox, R., & **Lischka, A. E.** (in press). Interpretations and uses of classroom video in teacher education: Comparisons across three perspectives. In S. Kastberg, A. Tyminski, **A. E. Lischka**, & W. B. Sanchez (Eds.) *Building Support For Scholarly Practices In Mathematics Methods*. Information Age Publishing. |
| Barlow, A. T., Gerstenschlager, N. E., Strayer, J. F., **Lischka, A. E.,** Stephens, D, C., Hartland, K. S., & Willingham, J. C. (in press). Scaffolding for access to productive struggle. *Mathematics Teaching in the Middle School.* |
| Barlow, A. T., Duncan, M., **Lischka, A. E.,** Hartland, K. S., & Willingham, J. C. (2017). Are your students problem performers or problem solvers? *Teaching Children Mathematics, 23,* 550-558*.* |
| Barlow, A. T., Prince, K. M., **Lischka, A. E**., & Duncan, M. D. (2017). Developing algebraic reasoning through variation in the U.S. In R. Huang & Y. Li (Eds.), *Teaching and Learning Mathematics through Variation: Confucian Heritage Meets Western Theories* (pp. 321-339)*.* The Netherlands: Sense Publishers. |
| Strayer, J. F., Barlow, A. T., **Lischka, A. E.,** Gerstenschlager, N. E., Stephens, D. C., Willingham, J. C., & Hartland, K. S. (2017). Meeting the needs expressed by teachers: Adaptations of the traditional model for demonstration lessons. *NCSM Journal of Mathematics Education Leadership, 18* (1), 18-26*.* |
| Barlow, A. T., **Lischka, A. E.,** Willingham, J. C., & Hartland, K. S. (2016/2017). Backing up and moving forward in fractional understanding. *Teaching Children Mathematics, 23,* 284-291*.* |
| **Lischka, A. E.,** Hartland, K. S., & Duncan, M. D. (2016). Exploring prospective teachers’ formative feedback practices*.* In M. B. Wood, E. E. Turner, M. Civil, M., & J. A. Eli, (Eds.) *Proceedings of the 38th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (p. 947)*.* Tucson, AZ: The University of Arizona. |
| Kastberg, S., **Lischka A. E.,** Hillman, S. (2016). Exploring prospective teachers’ written feedback on mathematics tasks. In M. B. Wood, E. E. Turner, M. Civil, M., & J. A. Eli, (Eds.) *Proceedings of the 38th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp 783-790)*.* Tucson, AZ: The University of Arizona. |
| Kastberg, S., **Lischka, A. E.,** & Hillman, S. (2016). Exploring written feedback as relational practice. In D. Garbett, & A. Ovens (Eds.), *Enacting self-study as methodology for professional inquiry* (pp. 387-394). Herstmonceux, UK: S-STEP. |
| **Lischka, A. E.,** & Garner, M. (2016). A practitioner’s instrument for measuring secondary mathematics teachers’ beliefs surrounding learner-centered classroom practice. *Journal of Applied Measurement, 17*(2), 1-19. |
| Lim, W. & **Lischka, A. E.** (2016). Mathematics teacher educators’ examination of edTPA content validity: Academic language and representation. In D. Polly (Ed), *Evaluating Teacher Education Programs through Performance-Based Assessments* (pp. 109-124). Hershey, PA: IGI Global. |
| **Lischka, A. E.,** Sanchez, W. B.,Kastberg, S., & Tyminski, A. M. (2016). Seeking bridges between theory and practice: A report from the scholarly inquiry and practices conference on mathematics methods education. *Journal for Mathematics Education Leadership, 17*(1), 38–48. |
| **Lischka, A. E.,** Barlow, A. T., Willingham, J. C., Hartland, K., & Stephens, D. C. (2015). Mindset in professional development: Exploring evidence of different mindsets. In T.G. Bartell, K.N. Bieda, R. T. Putnam, K. Bradfield, & H. Dominguez (Eds.) *Proceedings of the 37th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education* (pp. 732–739). East Lansing, MI: Michigan State University. |
| Orrill, C. H., Kim, O., Peters, S. A., **Lischka, A. E.,** Jong, C., Sanchez, W. B., & Eli, J. A. (2015).Challenges and strategies for assessing specialized knowledge for teaching*. Mathematics Teacher Education and Development, 17*, 12-29*.* |
| Sanchez, W. B., **Lischka, A. E**., Edenfield, K. W., & Gammill, R. (2015). An emergent framework: Views of mathematical processes. *School Science and Mathematics*, *115*, 88–99. doi: 10.1111/ssm.12103 |
| Sanchez, W. B. & **Lischka, A. E**. (2014). Views of mathematical processes: A framework. In S. Oesterle, C. Nicol, P. Liljedahl, & D. Allen (Eds.), *Proceedings of the Joint Meeting of PME 38 and PME-NA 36 (Vol. 6)* (p. 222)*.* Vancouver, Canada: PME*.* |
| **Lischka, A. E**, & Garner, M. (2013). A practitioner’s instrument for measuring secondary mathematics teachers’ beliefs surrounding learner-centered classroom practice. In M. Martinez, & A. Castro Superfine (Eds.) *Proceedings of the 35th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education [PME-NA]* (pp. 1061-1064). Chicago, IL: University of Illinois at Chicago. |
| Kastberg, S., Sanchez, W., Tyminski, A., **Lischka, A.,** & Lim, W. (2013). Exploring mathematics methods courses and impacts for prospective teachers**.** In M. Martinez, & A. Castro Superfine (Eds.) *Proceedings of the 35th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education [PME-NA]* (pp. 1349-1357). Chicago, IL: University of Illinois at Chicago. |
| Lischka, A. E. (2012). Experiences filtered by beliefs: The effects of a professional development school secondary mathematics methods course. In L. R. Van Zoest, J. J. Lo, & J. L. Kratky (Eds.), *Proceedings of the 34th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education [PME-NA]* (p. 786)*.* Kalamazoo, MI: Western Michigan University. |
| Lischka, A. E. (2012). *Case study of participants in a site-based secondary mathematics methods course and internship: Three teachers in transition.* Dissertations, Theses, and Capstone Projects. Paper 512. http://digitalcommons.kennesaw.edu/etd/512 |
| Gardner, K., Edenfield, K., Sanchez, W., **Lischka, A. E.,** Rimpola, R., & Gammill, R. (2011). State conference presenters’ conceptions of reform in mathematics.In L. R. Wiest, & T. D. Lamberg (Eds.) *Proceedings of the 33rd Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education [PME-NA]* (pp.1286-1294)*.* Reno, NV: University of Nevada, Reno. |
| Lischka, A. E. (2010). Investigating mathematical literacy through teacher language. *Proceedings of the Fourth Annual Meeting of the Georgia Association of Mathematics Teacher Educators*, pp.4-11*.* Eatonton, GA. |
| **Elliott, A**., & Froelicher, R. (1994). Exploring geometry software. *Factorial, 25*(3), 16-19. |

**Presentations**

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| **Refereed Presentations** |
| **Lischka, A. E.,** Kastberg, S., & Hillman, S. (2018, February). *Factors that Impact MTE’s Written Feedback Practice: Improving Practice Through Inquiry.* Accepted for Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Houston, TX. |
| Casey, S., Fox, R. & **Lischka, A. E.** (2018, February). *Variation and Intentionality in Teaching Mathematics Methods Courses: A Focus on Video Cases.* Accepted for Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Houston, TX. |
| **Lischka, A. E.,** Strayer, J. F., Watson, L. A., & Quinn, C. A. (2017, October). *Building Mathematical Knowledge for Teaching in a Geometry Course for Preservice Teachers.* Poster Presentation at the Thirty-ninth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Indianapolis, IN. |
| Kastberg, S., **Lischka, A. E.,** & Hillman, S. (2017, October). *Investigating the Relational Nature of Feedback Practice.* Presentation at the Thirty-ninth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Indianapolis, IN. |
| **Lischka, A. E.,** Kastberg, S., & Hillman, S. (2017, April). *Characterizing MTE Feedback: Learning from an Instantiation of Practice*. Presentation at the National Council of Teachers of Mathematics Research Conference, San Antonio, TX. |
| Sanchez, W. B., Fox, R., Taylor, C. & **Lischka, A. E.** (2017, April). *Variation and Intentionality in Teaching Mathematics Methods Courses.* Presentation at the National Council of Teachers of Mathematics Research Conference, San Antonio, TX. |
| **Lischka, A. E.,** Matuszewski, A. & Watson. L. (2017, April). *Recursive and Explicit Relationships using Algebra Tiles*. Presentation at the National Council of Teachers of Mathematics Annual Conference, San Antonio, TX. |
| Barlow, A. T., **Lischka, A. E.,** Strayer, J., Hartland, K., Willingham, J. C. (2017, April). *Double Demonstration Lessons: Supporting Teachers’ Development of an Inquiry Stance*. Presentation at the National Council of Supervisors of Mathematics Annual Conference, San Antonio, TX. |
| Sanchez, W. B., Kastberg, S., & **Lischka, A. E.** (2017, February). *Next Steps for Methods: Building Support for Scholarly Practices in Mathematics Methods Courses*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Orlando, FL. |
| Barlow, A. T., **Lischka, A. E.,** Strayer, J., Willingham, J. C., Hartland, K., Gerstenschlager, N., Watson, L. (2017, February). *Adapting Professional Learning Models to Attend to Teachers’ Levels of Appropriation of Practice*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Orlando, FL. |
| Chauvot, J., Lynch, S., **Lischka, A. E.,** Angeli-Clark, P. (2017, February). *I Am New to Mathematics Teacher Education: Now What?* Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Orlando, FL. |
| **Lischka, A. E.,** Strayer, J., Alibegovic, E., Watson, L, & Quinn, C. (2017, February). *Building Mathematical Knowledge for Teaching Geometry in a Secondary Content Course: Geometry and Beyond*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Orlando, FL. |
| **Lischka, A. E.,** Hartland, K. S., & Duncan, M. D. (2016, November). *Exploring prospective teachers’ formative feedback practices.* Poster presentation at the Thirty-eighth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Tucson, AZ. |
| Kastberg, S., **Lischka A. E.,** Hillman, S. (2016, November). *Exploring prospective teachers’ written feedback on mathematics tasks*. Session presentation at the Thirty-eighth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Tucson, AZ. |
| Kastberg, S., **Lischka, A. E.**, & Hillman, S. (2016, August). *Exploring Written Feedback as a Relational Practice.* Presentation at the 11th International Conference on Self-Study of Teacher Education Practices, Conference of the S-STEP SIG of AERA, East Sussex, England. |
| Sanchez, W. B., Kastberg, S., Tyminski, A. & **Lischka, A. E.** (2016, April). *Perspectives on Methods Courses*. Presentation at the Annual Meeting of the National Council of Teachers of Mathematics, San Francisco, CA. |
| Aaron, W. R., Alibegovic, E., Amidon, J., Crespo, S., Milewski, A. M., Bannister, N. A., Casey, S., Hanby, K., Kalinec-Craig, C., & **Lischka, A. E.** (2016, April). *Research on Math Teacher Education in an Online Multimedia Environment.* Presentation at the National Council of Teachers of Mathematics Research Conference, San Francisco, CA. |
| Sanchez, W. B., Kastberg, S., Tyminski, A., & **Lischka, A. E.** (2016, April). *A Report from the 2015 SIP Conference on Mathematics Methods.* Presentation at the National Council of Teachers of Mathematics Research Conference, San Francisco, CA. |
| **Lischka, A. E.,** Barlow, A. T., Willingham, J. C., & Hartland, K. (2016, April). *Implementing Lesson Study: Obstacles and Challenges Identified by Emerging Teacher Leaders.* Presentation at the 48th National Council of Supervisors of Mathematics Annual Conference, San Francisco, CA. |
| Swartz, B., VanIngen, S., & **Lischka, A. E.** (2016, January). *DBR: A Scholarly Approach to Teaching – What it Means for New [and Veteran] MTEs.* Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Irvine, CA. |
| **Lischka, A. E.,** Barlow, A. T., Willingham, J. C., & Hartland, K. (2016, January). *Thinking about Mindset and Professional Learning*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Irvine, CA. |
| Hartland, K., Willingham, J. C. & **Lischka, A. E.** (2015, November). *Leveraging Mindset for Student Success in the Mathematics Classroom.* Presentation at the National Council of Teachers of Mathematics Regional Conference, Nashville, TN. |
| **Lischka, A. E.,** Barlow, A. T., Willingham, J. C., Hartland, K., & Stephens, D. C. (2015, November). *Mindset in Professional Development: Exploring Evidence of Different Mindsets.* Presentation at the Thirty-seventh Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, East Lansing, MI. |
| **Lischka, A. E.** & Sanchez, W. B. (2015, April). *Scholarly Practice in Methods: Examining Revisions of a Task.* Presentation at the National Council of Teachers of Mathematics Research Conference, Boston, MA. |
| Barlow, A. T., **Lischka, A. E.,** Hartland, K. S. & Willingham, J. C. (2015, April). *Project IMPACT2: Examining the Role of Mindset in Professional Development.* Presentation at the 47th National Council of Supervisors of Mathematics Annual Conference, Boston, MA. |
| **Lischka, A. E.,** Kastberg, S., Hillman, S. & Hartland, K. S. (2015, February). *Learning about Prospective Teachers Learning about Feedback*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Orlando, FL. |
| Barlow, A. T., **Lischka, A. E.,** Hartland, K. S., Willingham, J. C., & Stephens, D. C. (2014, November). *The Impact of Mindset on Instructional Practices and Professional Learning.* Presentation at the 43rd Annual Meeting of the Mid-South Educational Research Association, Knoxville, TN. |
| Sanchez, W. B. & **Lischka A. E**. (2014, July). *Views of Mathematical Processes: A Framework.* Presentation at the Joint Meeting of the International Group for the Psychology of Mathematics Education (PME 38) and the North American Chapter of the Psychology of mathematics Education (PME-NA 36), Vancouver, Canada. |
| **Lischka, A. E.** & Sanchez, W. (2014, February)*.* *The evolution of a methods task: Improving preservice teachers’ reflections on their practice.* Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Irvine, CA. |
| Sanchez, W. & **Lischka, A. E.** (2014, February)*.* *Scholarly Inquiry and Practice of Mathematics Methods Instruction*. Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Irvine, CA. |
| **Lischka, A. E**, & Garner, M. (2013, November). *A Practitioner’s Instrument for Measuring Secondary Mathematics Teachers’ Beliefs Surrounding Learner-Centered Classroom Practice*. Presentation at the Thirty-fifth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Chicago, IL. |
| Kastberg, S., Sanchez, W., Tyminski, A., **Lischka, A**. **E.**, & Lim, W. (2013, November). *Exploring Mathematics Methods Courses and Impacts for Prospective Teachers****.*** Working Group at the Thirty-fifth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Chicago, IL. |
| **Lischka, A. E.**, Garner, M., & Ledford, S. (2013, April). *Teaching content through problem analysis: Driven by CCSS mathematical practices.* Presentation at the Annual Meeting of the National Council of Teachers of Mathematics, Denver, CO. |
| Lischka, A. E. (2013, April). *Variations in mathematics teaching cycles: A framework for teacher growth.* Interactive Paper Session at the Research Presession of the 2013 Annual Meeting of the National Council of Teachers of Mathematics, Denver, CO. |
| Hillen, A., Watanabe, T., Sanchez, W. B. & **Lischka, A. E.** (2013, January). *Reading and writing group: A tool to support the scholarship of mathematics teacher educators.* Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators, Orlando, FL. |
| Lischka, A. E. (2012, November). *Experiences filtered by beliefs: The effects of a professional development school secondary mathematics methods course.* Poster presentation at the Thirty-fourth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Kalamazoo, MI. |
| Lischka, A. E. (2012, April). *The median-median line: Connecting data, geometry, and algebra.* Presentation at the Annual Meeting of the National Council of Teachers of Mathematics, Philadelphia, PA. |
| Gardner, K., Edenfield, K., Sanchez, W., **Lischka, A. E.,** Rimpola, R. & Gammill, R. (2011, November). *State conference presenters’ conceptions of reform in mathematics.* Presentation at the Thirty-third Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education, Reno, NV. |
| Edenfield, K., Gardner, K., **Lischka, A. E.,** Sanchez, W., Rimpola, R., & Gammill, R. (2011, April). *Conceptions of reform-oriented mathematics among conference presenters.* Poster presentation at the Annual Meeting of the National Council of Teachers of Mathematics Research Pre-Session, Indianapolis, IN. |
| **Invited and Selected Other Presentations** |
| **Lischka, A. E.** (March, 2017). *Seeking Balance on the Journey.* Invited keynote presentation at Sixth Annual Indiana Mathematics Education Research Symposium, Indianapolis, IN. |
| **Lischka, A. E.** (October, 2016). *Evolution of a Research Program: Exploring Effective Feedback in Mathematics Teacher Education.* Presentation at the Mathematics and Science Education Seminar Series. Middle Tennessee State University. |
| **Lischka, A. E.** & Hartland, K. S. (2014, September). *Using Student Work on Tasks as Formative Assessment,* Workshop provided for TNCore Mid-Cumberland Region at MTSU. |
| **Lischka, A. E.** & Hartland, K. S. (2014, September). *Using Mathematical Processes to Investigate Misconceptions With Visualizations.* Presentation at the State Conference of the Tennessee Mathematics Teachers Association. |
| **Lischka, A. E**. (2013). *The Development of a Mathematics Teacher Beliefs Instrument:* *An Application of Item Response Theory.* Presentation at the Mathematics and Science Education Seminar Series. Middle Tennessee State University. |
| Slaughter-Thompson, V. & **Lischka, A. E.** (2012, October). *Encouraging student talk: How do we put 5 practices for orchestrating productive mathematics discussions into practice?* Presentation at the Annual Meeting of the Georgia Council of Teachers of Mathematics, Rock Eagle, Eatonton, GA. |
| **Lischka, A. E.**, & Sanchez, W. B. (2012, October). *GMC conference presenters’ conceptions of reform.* Presentation at the Annual Meeting of the Georgia Association of Mathematics Teacher Educators, Rock Eagle, Eatonton, GA. |
| Lischka, A. E. (2010, October). *A comparison of university professors’ and high school teachers’ use of language in the mathematics classroom.* Presentation at the Annual Conference of the Georgia Educational Research Association, Savannah, GA. |
| Lischka, A. E. (2010, October). *Exploring literacy through teacher language.* Presentation at the Annual Meeting of the Georgia Association of Mathematics Teacher Educators, Rock Eagle, Eatonton, GA. |
| Lischka, A. E. (2009, October). *Addressing mathematical literacy through vocabulary instruction.* Presentation at the Annual Conference of the Georgia Educational Research Association, Savannah, GA. |
| **Lischka, A. E.,** Davis, D., & Gonding, A. (2009). *Problem-based learning in Math 1.* Presentation at the Annual Meeting of the Georgia Council of Teachers of Mathematics, Rock Eagle, Eatonton, GA. |
| **Elliott, A.** (2003). *Harnessing the Power to Teach.* Presentation at the Georgia Educational Technology Conference, Savannah, GA. |

**Courses Taught**

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| **MTSU Course Title and Number** | **Term(s) Taught** |
| Teaching Math in Grades 9 – 12 (MATH 3330) | Fall 2017, Fall 2016, Fall 2015, Spring 2015, Fall 2014 |
| Supervision – Residency II (YOED 4400) | Fall 2017, Spring 2016, Fall 2016, Fall 2015, Spring 2014, Fall 2014 |
| Teaching and Learning Mathematics (MATH 7900) | Spring 2017 |
| MSE Seminar (MSE 7820) | Fall 2017, Fall 2015 |
| College Geometry (MATH 3070) | Spring 2017, Spring 2016, Spring 2015, Spring 2014 |
| College Algebra (MATH 1710) | Fall 2014 |
| Concepts and Structure of Elementary Mathematics (MATH 1410) | Fall 2013 |
| Discrete Mathematics for Middle Grades Teachers (MATH 3300) | Fall 2013 |
| **Kennesaw State University Courses:** |  |
| Advanced Perspectives on School Mathematics, Part I (MATH 3495), Advanced Perspectives on School Mathematics, Part II (MATH 4495, MATH 7495), Teaching of Mathematics (MAED 4416), Teaching of Mathematics Practicum (MAED 4417), Teaching of Mathematics Practica (MAED 4475, 6416L, 6475L), Rational Numbers and Proportional Reasoning for Elementary Teachers (MATH 3316), Geometry and Measurement for Elementary Teachers (MATH 3317) | |

**Dissertation Committees – Chair**

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| Willingham, J. C. (2016). The role of mindset in a mathematics teacher’s interpretations and enactments of professional development activities. (co-chair w/Angela Barlow) |

**Dissertation Committees – Committee Member**

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| Lohr, M. E. (2017). Examination of undergraduate biology professors’ views of the nature of scientific knowledge and their pedagogical content knowledge for teaching the nature of scientific knowledge. |
| Gerstenschlager, N. G. (2015). Implementing reform-oriented statistics in the middle grades: Teacher support. |
| Prince, K. M. (2016). Learning within context: Exploring lesson study as an aid in enhancing teachers’ implementations, conceptions, and perceptions of the Mathematics Teaching Practices. |

**Research and other Creative Project Participation**

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| **Principal Investigator(s)** | **Project** | **Responsibilities** | **Dates** |
| Dr. Jeremy Strayer (PI)  Co-PIs: Dr. Alyson Lischka (and others at various institutions) | MODULE(S2): Collaborative Research: Mathematics of Doing, Understanding, Learning, and Educating for Secondary Schools (NSF IUSE Funded); $727,437 (MTSU Sub-Award) | Develop and pilot materials for College Geometry; Data collection, analysis for the larger project involving materials for Geometry, Algebra, Statistics, and Modeling; Dissemination of materials and findings | September 2017 – August 2022 |
| Dr. Angela Barlow (Project Director)  Dr. Alyson Lischka (MTSU Sub Award PI), Co-PIs: Dr. Chris Stephens, Dr. Jeremy Strayer | IMPACT Legacy: Implementing Mathematical Practices And Content into Teaching - Legacy Year (MSP Funded); $448,741.17 | Plan and implement summer professional development workshop and monitor professional learning communities throughout the school year | 2017 – 2018 |
| Dr. Angela Barlow (PI)  Co-PIs: Dr. Alyson Lischka, Dr. Chris Stephens, Dr. Jeremy Strayer | IMPACT4: Implementing Mathematical Practices And Content into Teaching 4 (MSP Funded); $631,476.68 | Plan and implement summer professional development workshop and demonstration lesson activities throughout the year | 2016 – 2017 |
| Dr. Wendy Sanchez (PI)  Co-PIs: Dr. Signe Kastberg, Dr. Andy Tyminski, Dr. Alyson Lischka | SIP Conference on Mathematics Methods (NSF DRK-12 Conference Grant); $100,000 | Plan and facilitate invited conference on mathematics methods courses, prepare monograph to disseminate results of the conference | 2015 – 2016 |
| Dr. Alyson Lischka (PI)  Co-PIs: Dr. Angela Barlow, Dr. Chris Stephens | IMPACT3: Implementing Mathematical Practices And Content into Teaching 3 (MSP Funded); $320,000 | Plan and implement summer professional development workshop and demonstration lesson activities throughout the year | 2014 – 2015 |
| Dr. Angela Barlow (PI)  Co-PIs: Dr. Alyson Lischka, Dr. Chris Stephens | IMPACT2: Implementing Mathematical Practices And Content into Teaching 2 (MSP Funded); $345,000 | Plan and implement summer professional development workshop and demonstration lesson activities throughout the year | 2013 – 2014 |
| Dr. Alyson Lischka (PI)  Co-PI: Dr. Wendy Sanchez, Kennesaw State University | A Case Study of the Impact of a Site-Based Mathematics Teacher Methods Course  (Funded by KSU’s TQP Research Academy); $10,400 | Involved in all phases of the project, including: research plan, IRB process, data collection and analysis, dissemination of findings | 2011 – 2013 |
| Dr. Kimberly Gardner, Dr. Wendy Sanchez,  Kennesaw State University | State Conference Presenters’ Conceptions of Reform-Oriented Mathematics Teaching; unfunded | Involved in all phases of the project, including: research plan, IRB process, data collection and analysis, dissemination of findings | 2010 – 2013 |

**Professional License and Certificates**

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| **License or Certificate** | **Granting Authority** |
| Certified TEAM Evaluator | National Institute of Excellence in Teaching |
| Mathematics / Adolescent and Young Adulthood Certification | National Board for Professional Teaching Standards |
| Advanced Placement Calculus Certification | The College Board |
| Teacher Support Specialist | Georgia Professional Standards Commission |
| Mathematics Teacher, Grades 6 – 12 | Georgia Professional Standards Commission |

**Academic and Professional Awards**

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| **Title of Award** | **Date** |
| STaR Fellowship | December 2014 |
| University Scholar for Kennesaw State University Ed.D Program | May 2013 |
| Susan Gay AMTE Conference Scholarship | February 2011 |
| Clendenin Fellowship | June 2011 |
| Tri-Cities High School Teacher of the Year | 2000 – 2001 |
| Finalist for Fulton County High School Teacher of the Year | 2000 – 2001 |

**Instructional Leadership Experience**

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| **Title** | **Organization** | **Responsibilities** | **Dates** |
| Math/Science Partnership Teacher Leader Program Facilitator | Fulton County Schools / Georgia Tech | Designed and facilitated the program for the Teacher Leader Program, a collaboration between mathematics and science teachers exploring Project Based Learning while developing the participants as leaders in their areas | 2007 - 2009 |
| Georgia Performance Standards Trainer | Fulton County Schools | Presented one week of sessions each summer at the Fulton County Summer Mathematics Institute preparing teachers for the transition to Georgia Performance Standards Curriculum. Topics included: Math 1 Training (for teachers preparing to teach Math 1 in the 2008-2009 School Year) and Questioning Practices in a Performance Based Classroom. | 2007 – 2008 |
| Curriculum Writer | Fulton County Schools | Oversaw the writing of the county level ninth grade mathematics curriculum to align with a new statewide mathematics curriculum | 2006 – 2008 |
| Curriculum Reviewer | Kennesaw State University | Reviewed and piloted classroom activities for Georgia Performance Standards in mathematics along with providing constructive criticism for improving the activities designed by KSU faculty. | 2006 – 2007 |
| Mathematics Department Chairperson | Fulton County Schools / Tri-Cities High School | Managed the administrative tasks for the department including scheduling and setting policy along with developing and leading staff development training for teachers and evaluating teaching practices of mathematics teachers. | 2005 – 2008 |
| Professional Learning Facilitator | Fulton County Schools | Courses taught include: Harnessing the Power to Teach (incorporating technology in curriculum), Teacher Support Specialist Certification (training others to become TSS certified), New Teacher Academy, various sessions on incorporating problem solving and critical thinking skills in mathematics classes. | 1999 – 2008 |
| Teacher Mentor | Fulton County Schools/ Tri-Cities High School | Mentored teachers new to Tri-Cities High School through both the district mentoring program and through the Georgia TAPP Program. Assisted new teachers in developing lesson plans, designing classroom management strategies, and creating classroom activities. | 1999 – 2008 |

**Professional Service and Memberships**

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| **Affiliations** | **Dates** |
| National Council of Teachers of Mathematics (NCTM) | 1994 – present |
| Psychology of Mathematics Education – North American Group (PME-NA) | 2010 - present |
| Association of Mathematics Teacher Educators (AMTE) | 2010 – present |
| American Educational Research Association (AERA) | 2009 – present |
| Tennessee Mathematics Teachers Association (TMTA) | 2013 – present |
| Tennessee Association of Mathematics Teacher Educators (TAMTE) | 2013 – present |
| Georgia Association of Mathematics Teacher Educators (GAMTE) | 2010 – 2013 |
| Georgia Council of Teachers of Mathematics (GCTM) | 1995 – 2013 |
| **Professional Service** |  |
| Mathematics Teacher Education Partnership (MTEP) Planning Committee Member | 2016 – present |
| Mathematics Teacher Education Partnership (MTEP) MODULE(S2) RAC Leader | 2016 – present |
| AMTE Connections Editorial Panel Member | 2017 – present |
| AMTE Mentoring Committee Member | 2015 – 2017 |
| NCTM Research Conference Proposal Reviewer | 2014 – present |
| AMTE Annual Conference Table Discussion Leader | 2013, 2014 |
| MTSU Mathematics Education Reading and Writing Group (eMERGe) Coordinator | 2013 – present |
| Research Presentation Proposal Reviewer, AMTE Conference Proposals | 2010 – present |
| Research Presentation Proposal Reviewer, PME-NA Conference Proposals | 2012 – present |
| Mathematics Teacher Manuscript Reviewer | 2013 – present |
| Journal of Mathematics Education Leadership Manuscript Reviewer | 2013 – present |
| The Mathematics Teacher Educator Manuscript Reviewer | 2015 – present |
| School Science and Mathematics Manuscript Reviewer | 2017 – present |
| **Other Campus and Community Leadership and Service** | |
| MTSU Council on Teacher Education Committee Member | 2017 – 2019 |
| Mathematics Teacher Education Partnership, MTSU Team Leader | 2014 – present |
| Mathematics Education Curriculum Group, Co-Chair | 2015 – present |
| Math and Science Education PhD Advisory Committee | 2015 – present |
| MTSU Wesley Foundation Board of Directors, Treasurer | 2014 – present |
| Mathematical Sciences Program Assessment Committee | 2017 – present |
| Mathematical Sciences Math Contest Committee, (Co-Chair 2015, 2016) | 2014 – present |
| Mathematical Sciences General Education Committee | 2016 – 2017 |
| Mathematical Sciences Undergraduate Program Policy Committee | 2014 – 2016 |
| MTSU Non-Instructional Assignment Committee | 2014 – 2015 |
| Mathematics Education Search Committee | 2015 |