CURRICULUM VITAE

Darryl L. Corey
Associate Professor and Program Coordinator

GENERAL INFORMATION

School of Teacher Education & Leadership
Box 6929
Radford University
Radford, VA 24142
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EDUCATION

August 2000	Ph.D., Florida State University, Tallahassee, FL, Mathematics Education
July 1992	M.S., Hampton University, Hampton, VA, Applied Mathematics
May 1990	B.A., Hampton University, Hampton, VA, Mathematics

PROFESSIONAL EXPERIENCE

Faculty Appointments:

Aug. 2015 - Present — **Associate Professor of Mathematics Education**, School of Teacher Education & Leadership (STEL), Radford University. Radford, VA.
Responsibilities include: Teaching online graduate courses in mathematics, mathematics education, research, and diversity. Advice students. Engage in appropriate scholarly activities, perform professional service activities which benefit the university, the community, or the mathematics education profession.

July 2008 – May 2015 — **Associate Professor of Mathematics Education,** Department of Mathematics and Statistics, Kennesaw State University, Kennesaw, GA.
Responsibilities included: Developing and Teaching undergraduate and graduate level mathematics content courses (Online, face-to-face, and hybrid), engage in scholarly activities related to online teaching, learning and problem solving, and perform professional service activities such as in-service teacher professional development as an ATOMS Center Faculty Fellow and Faculty Associate.

Aug. 2003 – May 2008 — **Associate & Assistant Professor of Mathematics Education**, Department of Mathematics and Computer Science, Valdosta State University, Valdosta, GA.
Responsibilities included: Teaching undergraduate and graduate level mathematics content courses for pre-service and in-service teachers, engage in appropriate scholarly activities, perform professional service activities which benefit the university, the community, or the mathematics education profession.

Aug. 2000 – Aug. 2008 **Visiting Assistant Professor for Mathematics and Distance Education**, Department of Middle and Secondary Education, Division of Mathematics Education, Florida State University, Tallahassee, FL. *Responsibilities included: Developing a new national Online Mathematics Education Graduate Program. Developing and teaching online graduate level mathematics education courses for in-service teachers.*

June 2001 – May 2003 **Associate Professor for Mathematics Education,** Division of Education, Thomas University, Thomasville, GA. *Responsibilities included: Teaching mathematics education and content course for pre-service teachers. Supervise student teachers. Engage in appropriate scholarly activities and perform professional service activities which benefit the university, the community, or the mathematics education profession.*

Sept. 1992 - May 1996 **Mathematics Instructor**, Department of Mathematics, Norfolk State University, Norfolk, VA. *Responsibilities included: Teaching undergraduate mathematics content courses for majors and non-majors. Perform professional service activities which benefit the university, the community, or the mathematics profession.*

Administrative Positions:

Aug. 2015 – Present **Program Coordinator of Online Masters in Math Education**, *Responsibilities include: Coordinating for a distance-delivered M.S. in Education program in mathematics designed for current high school mathematics teachers. Manage project outreach, marketing and recruitment; program budgets totaling approximately $500,000 annually; scheduling, staffing, accreditation, and evaluation. Supervise administrative staff, student workers, and graduate assistants.*

Jan. 2014 – May 2015 **Coordinator of Graduate Programs,** Department of Mathematics and Statistics. Kennesaw State University, Kennesaw, GA. *Responsibilities included: Program and course development for the following revised graduate programs: Online Masters of Education (M.Ed.) in Mathematics Education, Online Education Specialist (Ed.S.) in Mathematics Education, and Woodrow Wilson Masters of Art in Teaching in Mathematics Education (M.A.T.). I also coordinate the Doctor of Education (Ed.D.) in mathematics education. Other duties include: preparing multiple state and national evaluation and accreditation reports, creating course rotation schedules, staffing courses, advising and recruiting new students, evaluating new student applications, interviewing prospective students, attending multiple program meetings, and communicating with the Graduate College.*

July 2008 – May 2010 **Coordinator of Online Masters of Art in Teaching,** *Responsibilities included: Preparing new program paperwork, designing new online courses, attending statewide face to face and virtual meetings, and communicating with faculty and administrators.*

June 2001 – May 2003	**Coordinator of Secondary Education,** *Responsibilities included: Coordinating the development of a new Secondary Education Program, developing a new Mathematics Education program, preparing new program paperwork for Georgia Professional Standards Commission (GaPSC) approval, coordinating PSC site visits, and recruiting and advising new students.*

Other Positions Held:

August 2012 – July 2014	**STEM Fellow for Professional Development & Student Programs,** The A.T.O.M.S. (Advancing the Teaching of Mathematics and Science) Center, Kennesaw State University, Kennesaw, GA.
August 2010–July 2012	**Faculty Associate**, The A.T.O.M.S. Center, Kennesaw State University, Kennesaw, GA.
Sept. 1998 – Aug. 2000	**Associate Dean's Graduate Assistant,** College of Education, Florida State College of Education, Florida State University, Tallahassee, FL.
Sept. 1997 – Sept. 1998	**Distance Learning Classroom Facilitator,** College of Education, Florida State University, Tallahassee, FL.
June 1993 - June 1996	**Summer Mathematics Instructor,** Summer Pre-College Program, Hampton University, Hampton, VA.
Summer 1995	**Mathematics Project Teacher** Tidewater Young Scholars Program, Norfolk State University, Norfolk, VA.
Fall 1993	**Adjunct Mathematics Instructor** Department of Mathematics Christopher Newport University, Newport News, VA.
January 1991 - July 1992	**Graduate Research Assistant**, Center for Nonlinear Analysis, Department of Mathematics, Hampton University, Hampton, VA.
Sept. 1990 - Dec. 1990	**Graduate Research Assistant**, Department of Mathematics, Hampton University, Hampton, VA.
Summer 1990	**Graduate Assistant**, Student Enhancement in Mathematics and Science Program (SEMS), Hampton University, Hampton, Virginia.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- American Statistical Association (ASA)
- Association for the Advancement of Computing in Education/ Society for Information Technology and Teacher Education. (AACE/SITE)
- National Council of Teacher of Mathematics (NCTM)
- Mathematics Association of America (MAA)
- International Group for the Psychology of Mathematics Education (PME)
- North American Chapter of the International Group for the

Psychology of Mathematics Education (PME-NA)
- Brothers of the Academy Institute (BOTA)

HONORS, AWARDS, AND FELLOWSHIPS

- High Reviewed Paper, 2011 Society for Information Technology and Teacher Education International Conference, Nashville, TN.
- Outstanding Paper Award, 2004, Society for Information Technology and Teacher Education International Conference, Atlanta, GA.

TEACHING, SUPERVISION, & MENTORING

Course Delivery Method Codes:

Face-to-Face (**F2F**) Online (**OL**) Hybrid (**HB**)

Courses Taught

At Radford University

EDUC/MATH 620 Issues of Equity and Diversity in Mathematics Education (**OL**)
EDUC 650 Graduate Seminar: Theory and Practice in Mathematics Education (**OL**)

At Kennesaw State University

MAED 7715 Problem Solving, 3 times (**HB & OL**)
MATH 7714 Geometry from Multiple Perspectives, 4 times **(HB)**
MATH 3318 Algebra Elementary Teachers, 6 time (**F2F**)
MATH 3317 Geometry & Measurement Elementary Teachers, 17 times (**F2F & OL**)
MATH 3316 Rational Numbers & Mathematical Reasoning for Elementary Teachers, 4 times (**F2F**)

At Valdosta State University

MATH 2008 Numbers and Operations for Elementary Teachers, 1 time (**F2F**)
MATH 2160 Mathematics Inquiry for Elementary Teachers, 9 times (**F2F**)
MATH 3161 Mathematics for Early Childhood Teachers I, 8 times (**F2F**)
MATH 3162 Mathematics for Early Childhood Teachers II, 5 times (**F2F**)
MATH 4161 Mathematical Reasoning, 6 times (**F2F**)
MATH 5163 Numbers and Operations P-5 Teachers, 2 times (**HB**)
MATH 6161 Mathematical Reasoning, 3 times (**F2F**)

At Florida State University

MAE 5691 Teaching and Learning Mathematics, 4 times (**OL**)
MAE 5865 Using History in the Teaching of Math, 6 times (**F2F**, **OL,** & **HB**)
MAE 5146 School Mathematics Curriculum, 4 times (**OL**)
MAE 5658 Using Technology in the Teaching of Math, 5 times (**OL**)
MAE 5337 Seminar on Teaching Algebra, 2 times (**OL**)
MAE 5795 Seminar on Research in Math Ed, 8 times (**F2F**, **OL**, & **HB**)
MAE 5690 Ethnomathematics, 4 times (**OL**)
MAE 5641 Special Topics: Mathematical Problem Solving, 8 times (**OL**)
MAE 5641 Special Topics: Number Systems, 3 times (**OL**)
MAE 5641 Special Topics: Analysis of Student Learning, 2 times (**OL**)

At Thomas University

ECE 326 Field Experience I: Nature & Needs, 2 times (**F2F**)
ECE 470 Teaching Math in ECE, 1 time (**F2F & HB**)
MGE 326 Field I: Nature & Needs, 2 times (**F2F**)
MGE 470 Teaching Math in Middle Grades, 2 times (**F2F**)

MTH 120 Algebraic Modeling, 1 times (**F2F**)
MTH 140 College Algebra, 2 times (**F2F & HB**)
MTH 150 Pre-Calculus, 1 time (**F2F**)
MTH 160 Geometry for ECE, more than 2 times (**F2F**)
MTH 170 Number Concepts, more than 2 times (**F2F**)

At Norfolk State University
MTH 103 Contemporary Math, more than 2 times (**F2F**)
MTH 105 Intermediate Algebra, more than 2 times (**F2F**)
MTH 151 College Algebra, more than 2 times (**F2F**)
MAT 153 Algebra & Trigonometry, 1 time (**F2F**)
MTH 184 Calculus I, 1 time (**F2F**)
MTH 251 Calculus II, 1 time (**F2F**)

Courses Developed
For Kennesaw State University
MAED 6421: Pedagogical Content Knowledge For Mathematics I (**F2F**)
MAED 6422: Pedagogical Content Knowledge For Mathematics II (**F2F**)
MAED 6650: Yearlong Clinical Experience I (**F2F**)
MAED 6660: Yearlong Clinical Experience II (**F2F**)
MAED 7715 Mathematics Problem Solving (**OL**)
MATH 3317 Geometry & Measurement Elem Teachers (**OL**)

For Valdosta State University
MATH 2008 Numbers and Operations (**F2F**)

For the State of Georgia
MARS 5002 Numbers and Operations for Elementary Teachers (**OL**)
MARS 5005 Data Analysis and Probability for Elementary Teachers (**OL**)

For Clinch County Schools, GA
MATH **M**ath **A**chieving **T**eachers of **H**igh- Quality (**HB**)

For Florida State University
MAE 5691 Teaching and Learning Mathematics (**OL**)
MAE 5865 Using History in the Teaching of Math (**OL**)
MAE 5146 School Mathematics Curriculum (**OL**)
MAE 5658 Using Technology in the Teaching of Mathematics (**OL**)
MAE 5337 Seminar on Teaching Algebra (**OL**)
MAE 5795 Seminar on Research in Math Ed (**OL**)
MAE 5690 Ethnomathematics (**OL**)
MAE 5641 Special Topics: Mathematical Problem Solving (**OL**)
MAE 5641 Special Topics: Number Systems (**OL**)
MAE 5641 Special Topics: Analysis of Student Learning (**OL**)

For Thomas University
MTH 140 College Algebra (**HB**)
SEC 470 Teaching Mathematics in Secondary School (**F2F**)
SEC 475 Math Problem Solving & Error Analysis (**F2F**)

Student Supervision

Thesis Supervision:

1. Shannon C. Jeter, Ed.D., Johns Hopkins University School of Education, Committee Member
2. Alison M. Bish, M.S. in Education/Mathematics Education, College of Education and Human Development, Radford University. Committee Chair.
3. Amy W. Corns, M.S. in Education/Mathematics Education, College of Education and Human Development, Radford University. Committee Chair.
4. Emily A. Finch, M.S. in Education/Mathematics Education, College of Education and Human Development, Radford University. Committee Chair.
5. Alexander S. Moore, M.S. in Education/Mathematics Education, College of Education and Human Development, Radford University. Committee Chair.
6. Gretchen C .Shaw, M.S. in Education/Mathematics Education, College of Education and Human Development, Radford University. Committee Chair.
7. Brittany L. Vanover, M.S. in Education/Mathematics Education, College of Education and Human Development, Radford University. Committee Chair.
8. Kristin N. White, M.S. in Education/Mathematics Education, College of Education and Human Development, Radford University. Committee Chair.
9. Sallie Shackelford, M.S. in Education/Mathematics Education, College of Education and Human Development, Radford University. Committee Chair.
10. Abbie L. Brewer, M.S. in Education/Mathematics Education, College of Education and Human Development, Radford University. Committee Chair.
11. Christina R. Nowlin, M.S. in Education/Mathematics Education, College of Education and Human Development, Radford University. Committee Chair.
12. Lindsay K. Stacy, M.S. in Education/Mathematics Education, College of Education and Human Development, Radford University. Committee Chair.
13. Daniel A. Gagnon, Ed.D. Bagwell College of Education, Kennesaw State University. Committee member advisor for blended learning.

Research Supervision:

1. R. Caroline Cranfill, Graduate Research Assistant, Summer 2012 and Summer 2013, Two Journal Articles Submissions
2. Carmen Stokes, Graduate Research Assistant, Fall 2012, One Journal Article Submission, two conference proceedings, and one conference presentation

SCHOLARSHIP AND SCHOLARLY ACTIVITIES

Peer-Reviewed Publications:

1. Johnson, J. D., Corey, D., and Tamim, R. (2017). *A Preliminary Study to Explore Mobile Learning in the 6th Grade Mathematics Classroom in the United Arab Emirates*. Proceedings at the EduLearn: 9th International Conference on Education and New Learning Technologies (pp. 2979), Barcelona, Spain.

2. Corey, D., Dove, A., Galeshi, R., Younes, R., Jacobsen, L., & Manizade, A. (2016) *Best Practices: Lessons Learned From an Online Statewide Collaborative Master's in Mathematics Education Program.* Accepted to the Proceedings of Society for Information Technology & Teacher Education International Conference 2016. Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).

3. Galeshi, R., Yue, J. & Corey, D. (2016) *How Online Professional Development Influenced Mathematics Teachers as School Leaders.* Proceedings of the Conference for Higher Instructional

Development and Educational Research (CIDER), Blacksburg, VA: CIDER.

4. Corey, D. & Stokes, C. (2013). *Cognitive and Social Presence While Problem Solving In An Online Geometry Course For Elementary Education Majors*. In R. McBride & M. Searson (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2013 (pp. 343-349). Chesapeake, VA: AACE.

5. Corey, D. & Stokes, C. (2013). *Pre-Service Elementary Teachers' Creative Thinking While Problem Solving In an Online Geometry Course***.** In R. McBride & M. Searson (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2013 (pp. 350-355). Chesapeake, VA: AACE.

6. Corey, D. & Patterson, N. (2012) *Analysis Of Student Learning Experiences In An Undergraduate Biostatistics Course: Online Vs. Hybrid. Vs. Face-To-Face*, EDULEARN12 Proceedings, pp. 2621-2629.

7. Patterson, N & Corey, D. (2012) *Thinking Outside The Box: Cultivating Mathematics Teachers' Divergent Thinking And Creativity In A Hybrid Geometry Course*, EDULEARN12 Proceedings, pp. 2636-2643.

8. Patterson, N. & Corey, D. (2011) *Promoting Teachers' Divergent Thinking While Problem Solving In A Hybrid Geometry Course.* In Wiest, L. R., & Lamberg, T. (Eds.). Proceedings of the 33rd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Reno, NV: University of Nevada, Reno.

9. Corey, D. & Patterson, N. (2011). *Promoting Divergent Thinking in a Hybrid Geometry Course: An Examination of Teachers' Multiple Solution Approaches While Problem Solving in Geometry*. In Proceedings of Society for Information Technology & Teacher Education International Conference 2011 (pp. 212-217). Chesapeake, VA: AACE.

10. Jakubowski, E., Corey, D., & Unal, H. (2011). *Mathematics Teachers Growing Professionally Through Distance and Distributed Learning Opportunities***,** in Lucas E. Madsen (Ed.), Achievement Tests: Types, Interpretations and Uses. pp. 125-138. Nova Science Publishers, Inc. ISBN 978-1-61122-056-8 [131 copies sold].

11. Unal, H., Jakubowski, E., & Corey, D. (2009). *The Power of Differences: Drawing Auxiliary Lines*, Dimensions in Mathematics. Fall 2009, 29 (2), pgs. 36 - 43.

12. Unal, H., Jakubowski, E., & Corey, D. (2009). *Differences in Learning Geometry among High and Low Spatial Ability Pre-service Mathematics Teachers*. International Journal of Mathematical Education in Science and Technology. Vol. 40, No. 8, 2009, pgs. 997-1012.

13. Corey, D., Unal, H., & Jakubowski, E. (2007) *An 8th grade Geometry Problem from Japanese and American Teachers' Solutions***.** Learning and Teaching Mathematics. 5, pgs. 12-16. Spring 2007.

14. Corey, D. & Bower, B. (2005) *Learning Algebra in the Traditional and the Online Classroom: Cultural Expectations and the Experiences of an African American Male—A Case Study*. Journal of Negro Education (JNE), Volume 74, Number 4 (Fall 2005), pgs. 321- 331.

15. Moch, P. & Corey, D. (2005) *Breaking the Cycle: Modifying Preservice Elementary Teachers' Attitudes About Mathematics*. In Lloyd, G. M., Wilson, M., Wilkins, J. L. M., & Behm, S. L. (Eds.).

(2005). Proceedings of the 27th annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education.

16. Corey, D., Unal, H. & Jakubowski, E. (2005). *Distance Learning Made It Possible: Conceptual Change Of Practicing Mathematics Teachers In Learning And Teaching Problem Solving*. In C. Crawford et al. (Eds.), Proceedings of Society for Information Technology and Teacher Education International Conference 2005 (pp. 3453-3456). Chesapeake, VA: AACE.

17. Jakubowski, E., Corey, D., & Unal, H. (2004). *How Effective Online Course Activities Changed a Teacher's Practice*. In D. E. McDougall & J.A. Ross (Eds.), Proceedings of North American Chapter of the International Group for the Psychology of Mathematics Education (PME-NA) .

18. Corey, D. & Unal, H. (2004). *Activating Metacognition via Distance Learning: An Exploratory Study of In-Service Math Teachers' use of Metacognitive Monitoring Skills in an Online Problem Solving Course*. In C. Crawford et al. (Eds.), Proceedings of Society for Information Technology and Teacher Education International Conference 2004 (pp. 4385-4388). Chesapeake, VA: AACE. Best Paper Award.

19. Corey, D., Unal, H., & Jakubowski, E. (2004). *Promoting and Fostering Creativity in Problem Solving via Distance Learning: Harnessing Practicing Teachers' Mathematical Creativity in an Online Problem Solving Course*. In C. Crawford et al. (Eds.), Proceedings of Society for Information Technology and Teacher Education International Conference 2004 (pp. 4389-4391). Chesapeake, VA: AACE.

Peer-Reviewed Conference Presentations:

1. *GeoGebra as a Partner and Extension of the Instructor: Graduate-level Coursework for Mathematics Teachers*. Manizade, A., Corey, D. GeoGebra Global Gathering 2017, Linz, Austria. July 2017. https://www.geogebra.org/m/vHWAezsn#chapter/209218

2. *A Preliminary Study to Explore Mobile Learning in the 6th Grade Mathematics Classroom in the United Arab Emirates*. Johnson, J. D., Corey, D., and Tamim, R. EDULEARN17: 9th International Conference on Education and New Learning Technologies, Barcelona, Spain. July 2017.

3. *Divergent Thinking and Creativity in High School Geometry*. Patterson, N., Corey, D. 2017 NCTM Annual Meeting (BBA Equity Strand), San Antonio, TX. April 2017.

4. *Getting Smart: Rethinking Professional Development.* Younes, R., Galeshi, R., Corey, D., *VACTE/ATE-VA* Spring 2017 Conference. Williamsburg, Virginia. March 2017.

5. *Supporting Practicing Mathematics Teachers in Becoming Culturally Responsive in Lesson Planning and Teaching Practices*. Corey, D., Edwards, B., **Accepted** to the 2017 Association of Mathematics Teacher Educators (AMTE) Conference. Orlando, Florida. February 2017.

6. *Instructional Practices: Faculty Perception of Capstone Courses.* Galeshi, R., Corey, D., Conference on Academic Research in Education (CARE). Las Vegas, NV. January 2017.

7. *Best Practices: Lessons Learned From an Online Statewide Collaborative Master's in Mathematics Education Program* (accepted presentation cancelled). Corey, D., Dove, A., Galeshi, R., Younes, R., Jacobsen, L., & Manizade, A., 2016, Society for Information Technology & Teacher Education International Conference. Savannah, Georgia. March 2016. Paper.

8. *UAE Middle Grades Students Using a Mobile Learning to Solve Mathematics Problems Based On the Emirati Culture.* Johnson, J., Tamim, R. (UAE), & Corey, D. (USA). UAE Math Day. New York University Abu Dhabi, UAE. March 2016.

9. *How Online Professional Development Influenced Mathematics Teachers as School Leaders.* Galeshi, R., Yue, J. & Corey, D. 2016. Conference for Higher Instructional Development and Educational Research, Blacksburg, Virginia. February 2016. Paper.

10. Galeshi. R. & Corey, D. *SELF-compassion and teaching profession; Does it matter?* Eastern Educational Research Association (EERA). Hilton Head Island, South Carolina. February 2016.

11. *Cognitive and Social Presence While Problem Solving In An Online Geometry Course For Elementary Education Majors*. Corey, D., Stokes, C., 2013 Society for Information Technology & Teacher Education International Conference. New Orleans, Louisiana, March 2013. Paper.

12. *Analysis Of Student Learning Experiences In An Undergraduate Biostatistics Course: Online Vs. Hybrid. Vs. Face-To-Face*, Corey, D. & Patterson, N., EDULEARN12 Conference, Barcelona, Spain, July 2012. Paper.

13. *Thinking Outside The Box: Cultivating Mathematics Teachers' Divergent Thinking And Creativity In A Hybrid Geometry Course*, Patterson, N & Corey, D., EDULEARN12 Conference, Barcelona, Spain, July 2012. Paper.

14. *Divergent Thinking in a Hybrid Geometry Environment*. Patterson, N & Corey, D 2012, Twenty-Fourth Annual International Conference on Technology in Collegiate Mathematics (ICTCM), Orlando, Florida, March 2012

15. *Promoting Divergent Thinking in a Hybrid Geometry Course: An Examination of Teachers' Multiple Solution Approaches While Problem Solving in Geometry*. Corey, D. & Patterson, N., 2011. Society for Information Technology & Teacher Education International Conference, Nashville, Tennessee, March 2011, Paper

16. *Differences in Student Experiences In An Undergraduate Biostatistics Course: Online Vs. Hybrid. vs. Face-To-Face*, Corey, D, Lawson, L., 2010 Joint Statistical Meetings, Vancouver, British Columbia (Canada), August 2010.

17. *Comparison Of Student Outcomes In An Undergraduate Biostatistics Course: Online Vs. Face-To-Face Vs. Hybrid*, Lawson, L., Corey, D., 2010 Joint Statistical Meetings. Vancouver, British Columbia (Canada), August 2010.

18. *Using Metacognitive Strategies during Problem Solving Activities*, Jakubowski, E., & Corey, D., Association of Mathematics Teacher Educators (AMTE) Eleventh Annual Conference, Irvine, California, January 2007, Paper.

19. *Breaking the Cycle: Modifying Preservice Elementary Teachers' Attitudes About Mathematics*, Moch, P. & Corey, D., North American Chapter of the International Group for the Psychology of Mathematics Education (PMENA) Conference. Roanoke, VA (USA). Oct. 2005. Paper.

20. *Distance Learning Made It Possible: Conceptual Change of Practicing Mathematics Teachers In Learning And Teaching Problem Solving*, Corey, D., Unal, H., & Jakubowski, E., The 2005 Society for Information Technology and Teacher Education International Conference, The Association for

the Advancement of Computing in Education (AACE), Phoenix, Arizona. March 2005. Paper.

21. *Maintaining Quality and Rigor in an Online Graduate Degree Program*, Jakubowski, E., Corey, D., Unal, H., The Ninth Annual Conference of The Association of Mathematics Teacher Educators (AMTE). Dallas, Texas. January 2005, Paper.

22. *Does Mathematical Curiosity Exist? An Investigation of Practicing Mathematics Teacher's Beliefs and Reasoning on Mathematical Curiosity*, Unal, H., Jakubowski, E., Corey, D., The Ninth Annual Conference of The Association of Mathematics Teacher Educators (AMTE). Dallas, Texas. January 2005, Paper

23. *How Effective Online Course Activities Changed a Teacher's Practice*, Jakubowski, E., Corey, D., & Unal, H., North American Chapter of the International Group for the Psychology of Mathematics Education (PMENA) Conference, Toronto, Ontario (Canada), October 2004, Paper.

24. *Activating Metacognition via Distance Learning: An Exploratory Study of In-Service Math Teachers' use of Metacognitive Monitoring Skills in an Online Problem Solving Course*, Corey, D., & Unal, H., Society for Information Technology and Teacher Education (SITE) International Conference 2004, The Association for the Advancement of Computing in Education (AACE), Atlanta, Georgia. 2004, Paper.

25. *Promoting and Fostering Creativity in Problem Solving via Distance Learning: Harnessing Practicing Teachers' Mathematical Creativity in an Online Problem Solving Course*, Corey, D., Unal, H., & Jakubowski, E., Society for Information Technology and Teacher Education (SITE) International Conference, The Association for the Advancement of Computing in Education (AACE), Atlanta, Georgia. 2004, Paper.

26. *Is Web-Based Distance Education a More Appropriate Learning Environment for African American Students?* Corey, D., Florida Distance Learning Conference 2002, Florida Distance Learning Association, Fort Lauderdale, Florida, December 2002. Paper.

27. *Transitioning from Face-to-Face to Online Professional Development*, Jakubowski, E., Corey, D., Florida Distance Learning Conference 2002, Florida Distance Learning Association, Fort Lauderdale, Florida, December 2002. Paper.

Other Presentations:

28. *An Analysis of Student Experiences in an Undergraduate Biostatistics Course: Online vs. Hybrid. vs. Face-to-Face.* Corey, D. Dean's ScienceTALK: A Seminar Series. College of Science and Mathematics, Kennesaw State University, spring 2012, Kennesaw, GA.

29. *Hollydale Elementary Science and Math Academy Data Presentation.* Corey, D., Phillips, M., Carle, J., Lyons, N., & Heim, A., Cobb County Schools and Kennesaw State University Teacher Quality Partnership Steering Committee Meeting. Simtha Middle School, Marietta, GA. Fall 2011

30. *What You Do Matters,* Corey, D.**,** Teacher Quality Partnership (TQP), Urban Education Option Workshop, Kennesaw State University and Cobb County Schools, Marietta, GA., July 2010, Invited Speech.

31. *Questions About Distance Education*, Corey, D.**,** Math Talks, Department of Mathematics and Statistics, Kennesaw State University, Kennesaw, GA., November 2009, Invited Speech.

32. *Instructional Design of a Graduate Online Problem Solving Course,* Corey, D., Unal, H., Ninth Annual Mathematics Technology Conference, Department of Mathematics and Computer Science, Valdosta State University, Valdosta, GA., February 2004, Presentation.

Funded Grants and Contracts:

1. Mathematics & Science Partnership Supplement Grant: Virginia Department of Education (2017-2018): Virginia Secondary Mathematics Professional Development Center. P.I. Corey, D. and Co-PIs: Galeshi, R., Manizade, A., Younes, R., Jacobsen, L. Funded: $74,106.

2. College of Education and Human Development, Scholarly Research Grant (2016-2018). International Evidence on Teachers Problem Solving Skills in Technology Rich Environments. Galeshi, R., Corey, D. Funded: $5,006.

3. The College of Education and Human Development, Innovation Circles Award (2016). Circle of FIRE. Gustafson, G., Talbot, P., Smith, T., Bizzell, B., Dore, B., Corey, D., Bozack, A., Galeshi, R. Funded: $2,500.

4. Mathematics & Science Partnership Grant: Virginia Department of Education (2016-2018): Virginia Secondary Mathematics Professional Development Center. P.I. Corey, D. and Co-PIs: Galeshi, R., Manizade, A., Younes, R., Jacobsen, L., Ellington, A. (VCU), Emerson- Stonnell (LU). Funded: $728,757.

5. Research Incentive Fund (RIF), Zayed University, United Arab Emirates (UAE) (2015-2017): Middle Grade Students Using a Mobile Device to Solve Contextual Mathematics Problems Based on the Emirati Culture. P.I. Johnson, J. and Co-PIs: Tamim (UAE), R., Corey, D. (USA). Funded: AED 123430 ($33,605).

6. Radford University College of Education and Human Development Research and Scholarly Project (2016): An Investigation of Capstone Instructional Expertise in Higher Education. P.I. Galeshi, R., Co-PI Corey, D. Funded: $10,000

7. Georgia Youth Science and Technology Centers, Inc. (2012). GYSTC STEM Academy. Engineering & Mathematics Activities for Middle Grade. P.I. Corey, D. Funded Contract: $1,055

8. Georgia Improving Teacher Quality (2012) Learners and Leaders: Developing Mathematics Teacher Leaders through Enhanced Content Knowledge. P.I. Corey, D. and Co-PIs, Edwards, B., Patterson, N., & Gardner, K. Funded: $50,495.

9. Georgia Youth Science and Technology Centers, Inc. (2012). Technology and Problem Solving (TAPS) for Middle Grades. P.I. Corey, D. and Patterson, N. Funded Contract: $12,000.

10. Teacher Quality Partnership Mini-Grant (2011). Hollydale Science and Math Summer Academy. P.I. Corey, D., with Co-PIs, Carle, J. & Phillips, M. Amount Funded: $33,464

11. Kennesaw State University College of Science and Mathematics (2010). Rising STEM Scholars Summer Program, P.I. Lester, A., Co-PIs, Corey, D., Epps, A., Heard, M., Negash, S., Msimanga, H, Phillips, N. Funded: $19,000.
12. Thomas University Office of Academic Affairs (2002). Course Development Grant for Hybrid College Algebra Course Amount Funded: $1,000.

13. The Florida State University Office of Distance and Distributed Learning (2001). Curriculum Development for a Graduate Distance Education Program in Mathematics Education, P.I. Jakubowski, E., Corey, D. Funded Amount: $60,000.

Selected Unfunded Proposals:

1. National Science Foundation STEM + Computing Partnerships (2017) Preparing Teachers for a Changing World: Improving STEM+C in Secondary Mathematics Instruction. Funds Requested: $2,333,485. PI Corey, D. with Co-PIs Manizade, A., Jacobsen, L.

2. National Science Foundation STEM + Computing Partnerships (2016). Preparing Teachers for a Changing World: Improving STEM+C in Secondary Mathematics Instruction. Funds Requested: $1,838,190. PI Corey, D. with Co-PIs Manizade, A., Jacobsen, L.

3. Unsolicited National Science Foundation pre-proposal (2013). Inquiry Learning in Mathematics MOOCs. Funds Requested: $65,375. PI Corey, D. with Co-PIs Epps, A. and Patterson, N.

4. National Science Foundation - Innovative Technology Experiences for Students and Teachers (ITEST - 2012). The Young Environmental Scientists (YES): A Model for Learning STEM Principles and Skills While Working For a Sustainable Environmental. Funds Requested: $585,256. Co-PI Corey, D. with P.I.s Lester, A., Achar, P., Tapu, D.

5. National Science Foundation (2009). The Impact of Virtual Education on Students' STEM Career Pathways. Funds Requested: $400,000. Consultant Corey, D. with P.I. Aydin, N.

6. National Science Foundation (2005). Online Teacher Professional Continuum (TPC), Funds Requested: $1.5 million. Co-PI Corey, D. with P.I. Jakubowski, E.