

Amanda Lambertus

Assistant Professor of Mathematics

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Current Position

Position Title: Assistant Professor of Mathematics

Current Academic Rank: Assistant Professor

Rank Since: Fall 2010

Degrees

Ph D	Mathematics Education, North Carolina State University, Raleigh, NC, 2010
MS	Mathematics Education, North Carolina State University, Raleigh, NC 2007
BA	Mathematics, Indiana University, Bloomington, IN 2000

Scholarly Contributions and Creative Productions

Book Chapters

Lambertus, A., Bracken, S., & Berenson, S. (2010). What are high achieving women's perceptions of mathematics over time?. In Helen Forgasz, Joanne Rossi Becker, Kyeong-Hwa Lee, Olof Bjorg Steinhorsdottir (Ed.), (pp. 341-362).

Grants

No Child Left Behind: Improving Teacher Quality:P-16 Education Partnerships (2011), *Teaching Algebra I for 21st Century Learning*. (\$104,781)

Arkansas Mathematics and Science Partnerships Program 2011-2012, *Common Core Bootcamp*(\$146,244)

Arkansas Mathematics and Science Partnerships Program 2012-2013, *Common Core Bootcamp: Geometry, Measurement and Data* (\$157,547), Year Two

No Child Left Behind: Improving Teacher Quality:P-16 Education Partnerships (March 2013, 15 months), *Measure Up for Grades 7 and 8*. (\$91,554)

Journal Articles

Lambertus, A. & Fegtly, R. (Spring, 2013). Mathematics challenge – Highlighting the Standards for Mathematical Practice – Hay Bales. *Arkansas Council of Mathematics Journal*.

Lambertus, A. (Spring, 2013). Taxicab geometry. *Arkansas Council of Mathematics Journal*.

Lambertus, A., Mead, B., & Banks, T. (Fall, 2013). Mathematics challenge – Highlighting the Standards for Mathematical Practice – Summing Nines. *Arkansas Council of Mathematics Journal*.

Presentations

National/International Presentations

Lambertus, A. & Hall, M. (2013). i-Pads for enhancing mathematics education. Invited talk at NCSM, Denver, April 2013.

Lambertus, A., Grippo, A., & Dewailly, J. (2013). Integrating science, mathematics, and literacy for enhancing 6th grad physical science achievement using iPads. Presentation at the *17th Annual Association of Mathematics Teachers*, STAR Program, Orlando, FL. Jan 23, 2013.

Banks, T., & Lambertus, A. (2012). The recruitment and retention of mathematics and computer science undergraduates. Presentation at the *34th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, Kalamazoo, MI. Nov 1-4, 2012.

Droujkova, M., Lambertus, A., & Berenson, S. (2010). *Transformation of dreams and persistence of meanings: Girls on the fast math track, ten years later*. Paper presented at the 32st Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Columbus, OH.

Regional/Local Presentations

Harris, B. & Lambertus, A. (2012). *Teaching fraction knowledge using Tangrams as a model*. Presentation at the Arkansas Curriculum Conference, Little Rock, AR, November 8-9, 2012.

Brewer, K. & Lambertus, A. (2012). *Common Core countdown*. Presentation at the Arkansas Curriculum Conference, Little Rock, AR, November 8-9, 2012.

Lambertus, A. & Brewer, W. (2012). *Using Tangrams as a rational number model*. Presentation at the Beyond Common Core Conference at Arkansas State University, October 27, 2012.

Lambertus, A. & Miller, C. (2011). *Conversations through time: Algebra*.
Presentation at the Arkansas Curriculum Conference, Little Rock, AR,
November 3-4, 2011.

Honors and Awards

Nominated for 2011 ASU Diversity Excellence Award

Nominated for the State STEM team – accepted

Accepted as a Service, Teaching and Research (STaR) Fellow,
supported by NSF (Grant 30922410)

Nominated and was elected to a position on the Arkansas Council of
Teachers of Mathematics Executive Board as the Vice President 4-
year Colleges Representative (2013-2014)

You made a Difference Faculty Advisor Award Nominee – Fall 2012

Institutional Service

- a. Leadership and Service for Department/College
 - Department of Mathematics and Statistics Curriculum Committee
 - Department of Mathematics and Statistics Scholarship Committee
 - Department of Mathematics and Statistics Assessment Committee
 - Department of Mathematics and Statistics Graduate Studies Committee
 - Department of Mathematics and Statistics Course Transfer Review Committee
 - Department of Mathematics and Statistics Teacher Education Screening Committee
 - Department of Mathematics and Statistics Lecturer Search Committee, 2012
 - Department of Mathematics and Statistics Lecturer Search Committee, 2011
 - M.S.E. Comprehensive Examination Committee
(includes writing and grading the comprehensive exams for the graduate students listed)
Summer 2013 Emily Onnen, Melodie Murray, Johnny Stitts
Spring 2012 Renee Zimmerman
Summer 2012 Taylor Thielemier,
 - College of Sciences and Mathematics Assessment Committee, Major Programs representative

Professional Education Committees

- Unit Operations Assessment Committee, Chair 2011-2012, (Standing Professional Education Committee)
- Committee of Professional Education (COPE), 2011-2012 as a representative for a Standing Committee
- COPE, 2012-2013 as a representative of the College of Science and Mathematics
- Council for the Accreditation of Educator Preparation (CAEP, formerly NCATE) Committee Chair for writing the “Unit Governance and Resources” document

Recruitment Activities

- ACTM Regional Math Contest March 2011
- ACTM Regional Math Contest, March 2012
- ACTM Regional Math Contest March 2013
(Includes development of publication material sent to teachers in Fall 2012)
- Crowley’s Ridge BEST Robotics Competition, Judge for Table Display, October 2012
- Crowley’s Ridge BEST Robotics Competition, Judge for Table Display, October 2011
- Northeast Arkansas Regional Science Fair Team Competition Judge, Spring, 2012
- Represented the Mathematics and Statistics Department at the ASU New Student Orientation, Summer 2011
- Represented the Mathematics and Statistics Department at the ASU Honor’s Student Dinner (with Jared Wolf), October 2011

b. Leadership and Services to ASU/Other Universities

- Educational Renewal Zone Advisory Board 2010-2012
- “ASUteach” Development and Writing Committee, Spring 2012.
- Ph.D. Advisory Committee
Title: An Investigation of Classroom Mathematics Instructional Practices in High-Poverty Middle Schools and the Extent of their Relationship on Student Achievement in Arkansas
Student: Shelly Williams
Advisor: Amany Saleh, Ph.D. (Curriculum & Instruction)

c. Leadership and Services to Students and Organizations

- Faculty mentor for McNair Research Scholars

d. Services to Regional/State/Community

- Member of the Arkansas Council of Teachers of Mathematics
- Member of the Arkansas Association of Mathematics Leaders
- Nominated and was elected to a position on the Arkansas Council of Teachers of Mathematics Executive Board as the Vice President 4-year Colleges Representative (2-yr appointment, 2013-2014)
 - In addition, I chair the Professional Development Scholarships and Special Project Grants Committee of ACTM
- Presented (with classroom teachers) at the Arkansas Curriculum Conference (ACC) in Little Rock, November 2012
- Presented at the ACC in Little Rock, November 2011

e. National Services

- Member of the National Council of Mathematics Teachers since 2007
- Member of the Psychology of Mathematics Education, North American Chapter since 2010
- Association of Mathematics Teacher Educators, 2012-2013
- National Council of Supervisors of Mathematics, 2010-2012

Teaching

Fall 2010 Courses:

MATH 2113 002 - Mathematics for School Teachers I

MATH 3353 001 - History of Mathematics

Spring 2011 Courses:

MATH 2123 001 - Mathematics for School Teachers II

MATH 2123 002 - Mathematics for School Teachers II

MATH 2123 005 - Mathematics for School Teachers II

MATH 3343 001 - College Geometry

Summer 2011 Courses:

MATH 3003 001 - Geometry for Middle School Teachers

Fall 2011 Courses:

MATH 3133 001 - Math for School Teachers III

MATH 3133 H01 - HNRS MATH FOR SCH TEACHERS III

MATH 3353 001 - History of Mathematics

TIMA 4826 001 - Math Teaching Internship in the Secondary School

Spring 2012 Courses:

EDMA 4563 001 - Methods and Materials for Teaching Mathematics in the Secondary School

MATH 3343 001 - College Geometry

MATH 459V 002 - Special Problems in Mathematics

Summer 2012 Courses:

MATH 5123 1 - RAT NUM THINK TEACH AND LEARN

Fall 2012 Courses:

MATH 3133 001 - MATH FOR SCHOOL TEACHERS III

MATH 3133 H01 - HNRS MATH SCHOOL TEACHERS III

MATH 3353 001 - HISTORY OF MATHEMATICS

MATH 3353 H01 - HNRS HISTORY OF MATHEMATICS