February 23, :012	:30-6:3	Wilson Lecture (Lakeview Room) Origami and Magi Tricks: Sneaking Mathematics Into Children's Lives Dr. Neil Calkin
Thursday, 2	6:45-8:30	Founder's Reception (Lakeview Room)

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		Harris Room	Welwyn Room	Walden Room	Keynes Room	Olmstead Room	Audubon Room	Burnham Room
	Kadian M. Callahan Prospective middle school teachers' experiences and conceptions of mathematics teaching and learning: A mixed-methods study		James Dogbey Using Variables: Do Math Curricula Provide Support for Teachers?	Gemma Foust Mojica Prospective Elementary Teachers' Use of a Learning Trajectory in the Professional Noticing of Children's Knowledge of Equipartitioning	Brenda Strassfeld A High School Math Teacher's Lament: Don't Give Me a Geometry Class to Teach	Catherine Schwartz, P. Holt Wilson, Timothy Hendrix, Katherine Mawhinney, Carol Midgett Examining teachers' integration and use of multiple domains of mathematics knowledge for teaching in simulated contexts of practice	Kelli Slaten Self-Awareness as Assessment: What Educators Can Learn About Students' Mathematical Understanding	Paul McCombs An investigation of Students Understanding of Series
	9:00 - 9:45	Janet Herrelko What do student teachers learn from Clinical Rounds?	Margaret Rathouz Making Connections: Preservice Teachers' Understanding of the Decimal System	Hope Marchionda & Janet Tassell Promoting Professionalism in Preservice Teachers	Jeffrey Hall & Gregory Chamblee The Impact of Interactive Whiteboards on Secondary Mathematics Teaching and Learning: A Longitudinal Study of Current Users and Future Users	Melfried Olson	Nancy Cerezo, Sharyn Disabato, & Lin Carver What does reading have to do with a math test?	Mikhail Türegün Cases of faux ami in an introductory statistics course
12	10:00 - 10:45	Anne Reynolds & Mike Mikusa Integrating the mathematical practice standards: are middle grades teachers ready?	Adele Hanion Spatial Thinking and Pre-service Elementary Teachers	Diana S. Perdue Approach Training: Extending Teaching & Learning via Hybrid Mathematics Classes	Lianfang Lu Toward the development of discourse in secondary mathematics classrooms	Tracey Howell The Four-Year Evolution of a Professional Development Series and Its Positive Impact on Participating Teachers	Lynn Columba Embedding Mathematical Discourse in Shared Storybook Reading: Effect on Young Learners' Mathematical Performance	Jayleen Wangle Calculus Students' Mathematical Beliefs
ary 24, 2012	11:00 - 11:45	Scott Courtney The Role of Model Lessons in Mathematics Teacher Education	Tracy Goodson-Espy Project NC NAEP: How NAEP Data Can Improve Mathematics Teaching and Learning	Carolyn Pinchback Preservice Teachers: Fractions and the Common Core State Standards	Elaine Young, Sarah Ives, Joe Champion, & George Tintera Consequences of Secondary Teachers' Participation in a Grant- Supported Masters of Science in Mathematics Degree Program	Tony Thompson Algebra I teachers' perceptions and knowledge of teaching students with learning disabilities	Lynae Sakshaug Real-Life Ratio Problems: Challenges for Math Teachers	Kansas Pope The Great Divide: Exploring Differences Between Teacher Perceptions of Instruction and Classroom Observations
ıy, February								
Friday,	2:00 - 2:45	Sandra Davis Trowell Joy- Making sense of one students experiences in a non-routine mathematics problem solving course	Keith Adolphson Technology and Elementary Preservice Teachers	Megan Stotz ABC's and 123's: Using Literature to Teach Mathematics	Temple A. Walkowiak & Robert Q. Berry Mathematics Instructional Quality and Students' Opportunities to Learn Mathematics	Eileen Durand Faulkenberry Do You See What I See? An exploration of self-perception in the classroom.	Sarah Johnson & David Pugalee Secondary Students' Multistep Problem Solving in STEM Contexts	Nancy Payne & Jessie Store An Investigation of Algebraic Reasoning Using Function Machines
	3:00 - 3:45	Martha Tapia Math is unisex: Are students still anxious?	Catherine Schwartz Developing the practice of teacher questioning through a K-2 elementary mathematics field experience	William McGalliard & Sarah Berenson Combinatorics and Sample Space Construction: A learning Process	Mary Harper Reform in a College Mathematics Class: Beliefs about Mathematics and Mathematics Pedagogy	Winifred A. Mallam & Mary B. Swarthout What's the MERIT in Research Collaboration?	Ann R. Crawford & Cynthia Copolo Looking at Learning: Levels of Understanding in High Cognitive Demand Word Problems, Grades 6-8	Bob M. Drake The "Write Stuff" for Learning Mathematics

	Sean Yee	Valerie Sharon, Dustin Jones,	Melanie Autin, Hope	Alan Zollman	Tyrette Carter	Dohyoung Ryang	George Tintera & Ping-Jung	
:45	Applying conceptual metaphor	& Linda Reichwein Zientek	Marchionda, & Summer	An Analysis of STEM Education			Tintera	
- 4		Prospective Teachers' Ability to	Bateiha	Projects in the US: Characteristics			Pedagogy of Teaching Linear	
8	problem solving	Solve Algebra Equations	The Effects of a Transactional	and Concerns		for Middle Grades Teachers	Equations	
4			Approach to Teaching Introductory					
0 - 5:4		der's Lecture (Lakeview Room) Mathematics?: Redefining Core Understandings for Gen-Zers and Beyond 1. Jayne Fleener						

	Harris Room	Welwyn Room	Walden Room	Keynes Room	Olmstead Room	Audubon Room	Burnham Room		
8:00 - 8:45	Jean McGehee A Study of Teachers Making the Transition to Implement Common Core Standards in Algebra I	Sarah Ives & Elaine Young Tower of Hanoi: Reflections from Prospective Elementary Teachers Engaged in "Hard Fun"	Darlinda Cassel, Carol Lucas, & Adele Hanlon Algebra Content and Pedagogy for Alternatively Certified Teachers	Kathy Horak Smith & Kansas Pope Pre-Service Teachers and the NCTM Process Standards	Edward Wall Perceptions of Studying	Gabriel Matney, Jonathan Bostic, & Dan Brahier Overcoming a Common Storm: Designing the PD Teachers Need for Successful Common Core Implementation	Suzanne L. Reynolds Preservice Teachers' Analysis of a Textbook Lesson on Volume		
9:00 - 9:45	Brian R. Evans Elementary Teachers' Mathematical Content Knowledge, Efficacy, and Problem Solving Abilities in Alternative Certification	Summer Bateiha Creating a Meaningful Connection Between Mathematics and Social Issues	Daniel Brahier Reasoning and Sense Making in Practice	P.H. Wilson, K. Richardson, C. Seaman, A. Floyd, W. Rich Core-Math: Supporting the Implementation of the Common Core State Standards for Mathematics Using Learning Trajectories	Jeremy Strayer The Impact of Professional Development on Teachers' Perceptions of Their Classroom Learning Environment	Thomas J. Faulkenberry Examining the role of testing in learning mathematics: Directions for future research	George A. Pattison III (pka George A. Wyer) Overcoming Blocks to Learning Mathematics: A Clinical Process Paradigm for Teaching and Learnin Mathematics		
10:00 - 10:45	Pat Lamphere Jordan Pre-service Secondary Students' Connections of Whole Number Operational Meanings and Algebraic Reasoning		Sarah Smitherman Pratt Using design experiment to explore multiplication in a middle grades mathematics methods course	Jessie Chitsanzo Store, Sarah B. Berenson, & Nancy Tilley Payne Enactment of Justification Tasks in Elementary Schools: A Multi-case Study	Megan Che Middle Grades Single-Sex Mathematics Classrooms: Preliminary Findings from a Critical Discourse Analysis	Traci L. Carter, Jennifer D. Cribbs, & Vecihi Serbay Zambak The Impact of Technology Integration on the Mathematical Reasoning of Preservice Secondary Mathematics Teachers	James Carrier Student strategies suggesting emergence of mental structures		
11:00 - 11:45		Vivian R. Moody, Hope Marchionda, Summer Bateiha, Kanita DuCloux, Kari Everett, & Joy Curtis Negotiating Knowing and Teaching: Pre-service Teachers' Beliefs and Conceptions about Mathematics and Teaching Mathematics	Mathematics Teacher Certification	Holly Henderson Pinter & Temple A. Walkowiak Research to Practice: Using the M- Scan Observational Measure to inform Professional Development	Mikhail Türegün ARTIST talk: An approach to assessment in a first year statistics course	Gabriel Matney & Jack Jackson Researching Connections between Real-World Assessments and Student Experiences	Darlinda Cassel & Kerri Richardson Fifth Grade Wordle Comparisons		
12:00 - 1:00	Lunch								
1:15-2:00	Keynote Address (Lakeview Room)								