

Curriculum Vitae

KRISTIN MICHELLE NOBLET

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EDUCATION

University of Northern Colorado

Ph.D. in Educational Mathematics

Advisors: Hortensia Soto-Johnson, Gulden Karakok

GPA: 3.72

2007-2016

Dissertation: Preservice Elementary Teachers' Understandings
of Topics in Number Theory

Graduation:

Summer 2016

Plymouth State University

M.Ed. in Mathematics Education: Self-Designed, Summer 2012

B.S. in Mathematics Education, Secondary Teacher Cert (7-12) Concentration: Top 20 Graduating
Senior, Summa Cum Laude, May 2005

ASSISTANT PROFESSOR at EAST STROUDSBURG UNIVERSITY

2016-present

Courses Taught: 22 courses total, 4 current

- MATH 130, Applied Algebraic Methods (1 section)
- MATH 135, Precalculus (4 sections total, 2 current)
- MATH 140, Calculus I (10 sections)
- MATH 141, Calculus II (2 sections)
- MATH 205, Geometry for PreK-8 Ed. Majors (1 section)
- MATH 431/531, Teaching Mathematics Using Technology (3 sections, 1 current)
- PSED 436/536, Teaching of Mathematics in Secondary Schools (1 current section)

Supervisory Roles: Content Supervisor for Student Teachers & Research Advisor for Honors Student

- MATH 499, Student Teaching Internship
 - 3 Middle Level Math majors (Spring 2017)
 - 3 Middle Level Math majors (Spring 2018)
 - 1 Middle Level Math, 1 Secondary Math majors (Fall 2018)
 - 2 Middle Level Math, 3 Secondary Math majors (Spring 2019)
 - MATH 485, Honors Thesis (Fall 2018)
 - Title: Mathematics Anxiety in Mathematics Majors, by Caitlin Simpson
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ADJUNCT at EAST STROUDSBURG UNIVERSITY

2013-2016

Courses Taught: 28 courses

- MATH 090, Intermediate Algebra (2 sections)
- MATH 101, Excursions in Mathematics (3 sections)
- MATH 105, Mathematical Problem-Solving for PreK-8 Ed. Majors (2 sections)
- MATH 130, Applied Algebraic Methods (7 sections)

- MATH 135, Precalculus (4 sections)
- MATH 140, Calculus I (4 sections)
- MATH 205, Geometry for PreK-8 Ed. Majors (3 sections)
- MATH 431/531, Teaching Mathematics Using Technology (1 section)

Supervisory Roles: Research Advisor for Honors Student

- MATH 485, Honors Thesis (Spring 2016)
 - Title: Stereotype Threat with Women in Mathematics, by Destany LaBar

OTHER PROFESSIONAL TEACHING EXPERIENCE

Graduate Teaching Assistant*, University of Northern Colorado 2007-2013

*Instructor of Record, unless otherwise specified

Courses Taught: 20

- MA120, Mathematics and Liberal Arts (1 section)
- MA176, Topics in Calculus (curriculum development, instructional assistant, 1 section)
- MA181, Fundamentals of Mathematics I: Number & Operations (10 sections)
- MA182, Fundamentals of Mathematics II: Algebra, Probability, & Data Analysis (1 section)
- MA283, Fundamentals of Mathematics III: Geometry & Measurement (6 sections)
- MA391, Number Theory (co-instructor, 1 section)

Graduate Teaching Assistant*, Plymouth State University 2005-2007

*Instructor of Record, unless otherwise specified

Courses Taught: 14

- Topics in Algebra and Geometry (5 sections)
- Finite Mathematics (2 sections)
- Mathematics in Our World I: Number & Operations (1 section)
- Probability & Statistics, Pre-Calculus, Calculus, Number Theory, Technology, and Standards-Based Teaching for Middle School Math Teachers (instructional assistant, 1 section each)

Substitute Teacher, Plymouth Regional High School, NH Spring 2005

Student Teacher, Plymouth Regional High School, NH Fall 2004

RESEARCH INTERESTS

- ◆ The development of preservice teachers' mathematics pedagogical content knowledge (PCK)
- ◆ Preservice elementary teachers' understanding of topics in number theory
- ◆ Developing curricular materials for preservice teachers that bridge the gap between mathematics content in theory and in practice.

REFEREED PUBLICATIONS AND PROCEEDINGS

Noblet, K. (Accepted). Developing pedagogical content knowledge: Can tutoring experiences be used to train future teachers? *Proceedings of the 22nd Annual Conference on Research in Undergraduate Mathematics Education, Oklahoma City, OK.*

Green, B. A., Protzko, J., and Noblet, K. (2018). *Assignments and Exercises for Students for Statistical Concepts for the Behavioral Sciences, 2/e*. Boston: Pearson.

Noblet, K. (2017). Preservice elementary teachers' understandings of least common multiple versus greatest common factor. In (Eds.) A. Weinberg, C. Rasmussen, J. Rabin, M. Wawro, and S. Brown, *Proceedings of the 20th Annual Conference on Research in Undergraduate Mathematics Education*. p. 779-786, San Diego, CA.

Link: <http://sigmaa.maa.org/rume/RUME20.pdf>

Noblet, K. (2015). Differentiating instances of knowledge of content and teaching: Responding to student conjectures. In (Eds.) T. Fukawa-Connolly, N. Engelke Infante, K. Keene, and M. Zandieh, *Proceedings of the 18th Annual Conference on Research in Undergraduate Mathematics Education*. Pittsburgh, PA.

Link: <http://sigmaa.maa.org/rume/RUME18v2.pdf>

Noblet, K. (2014). Preservice elementary teachers' understanding of number theory: Connecting content knowledge to PCK. In (Eds.) T. Fukawa-Connolly, G. Karakok, K. Keene, and M. Zandieh, *Proceedings of the 17th Annual Conference on Research in Undergraduate Mathematics Education*. Denver, CO.

Link: <http://sigmaa.maa.org/rume/RUME17.pdf>

Noblet, K. (2013). Preservice elementary teachers' understanding of greatest common factor story problems. In (Eds.) S. Brown, G. Karakok, K. H. Roh, and M. Oehrtman, *Proceedings of the 16th Annual Conference on Research in Undergraduate Mathematics Education, Vol. 2*, pg 227-233. Denver, Colorado.

Link: <http://sigmaa.maa.org/rume/RUME16Volume2.pdf>

Jackson, B., Rice, L., & Noblet, K. (2011). What do we see? Real time assessment of middle and secondary teachers' pedagogical content and sociomathematical norms. In (Eds.) S. Brown, S. Larsen, K. Marrongelle, and M. Oehrtman, *Proceedings of the 14th Annual Conference on Research in Undergraduate Mathematics Education, Vol. 4*, pg 103-107. Portland, Oregon.

Link: http://sigmaa.maa.org/rume/RUME_XIV_Proceedings_Volume_4.pdf

OTHER PROCEEDINGS AND PRESENTATIONS

Noblet, K. (2018). Eliciting preservice teachers' mathematical PCK through student scenario tasks. *Presentation at the PASSHE-MA Fall 2018 Conference, East Stroudsburg, PA.*

Noblet, K. (2017). How future teachers understand GCF versus LCM. *Presentation at the PASSHE-MA Spring 2017 Conference, Indiana, PA.*

Soto-Johnson, H., Rozner, S., & Noblet, K. (2011). Comparing geometry curriculums: The impact on preservice elementary teachers' pedagogical content knowledge. *Preliminary Presentation at the Joint Mathematics Meeting, New Orleans, LA.*

Soto-Johnson, H., Noblet, K., & Rozner, S. (2010). The nature of engaging preservice teachers in proof validation: How do their techniques compare to mathematicians methods? *Proceedings of the 13th Annual Conference on Research in Undergraduate Mathematics Education*. Raleigh, NC.

Link: http://sigmaa.maa.org/rume/crume2010/Archive/Soto_Johnson_Proof%20Validation.pdf

Hauk, S., Noblet, K., & Jackson, B (2010). No teacher left behind: Pedagogical content knowledge and mathematics teacher professional development. *Proceedings of the 13th Annual Conference on Research in Undergraduate Mathematics Education*. Raleigh, NC.

Link: http://sigmaa.maa.org/rume/crume2010/Archive/HaukNTLB2010_LONG.pdf

Noblet, K., Rozner, S., & Soto-Johnson, H. (2010). Poster Presentation: Engaging pre-service teachers in geometry proof validation. *Guest Presentation*, Greeley Rotary Club, Greeley, CO.

Noblet, K., Rozner, S., & Soto-Johnson, H. (2010). Poster Presentation: Engaging pre-service teachers in geometry proof validation. *Research Day 2010*, University of Northern Colorado, Greeley, CO.

Roach, K., Roberson, L., Noblet, K., & Delgado, A. (2009). Poster Presentation: Why did I ask that? The questions graduate teaching assistants ask their students. *Research Day 2009*, University of Northern Colorado, Greeley, CO.

Miller, N., Parker, F., Breitstein, A., Noblet, K. & Wheeler, A. (2008). Poster Presentation: Student concept image development of a new geometric space under guided discovery. *Research Day 2008*, University of Northern Colorado, Greeley, CO.

CONFERENCES ATTENDED

Research in Undergraduate Mathematics Education (RUME) Conference, Oklahoma City, OK, 2019

PASSHE Mathematics Conference, East Stroudsburg, PA 2018

RUME Conference, San Diego, CA, 2017

Council on Undergraduate Research (CUR) Conference, Arlington, VA, 2017

CUR Grant Writing Workshop, Arlington, VA, 2017

PASSHE Mathematics Conference, Indiana, PA, 2017

RUME Conference, Pittsburgh, PA, 2015

Mentoring and Partnerships for Women in RUME (MPWR) Conference, Pittsburgh, PA 2015

RUME Conference, Denver, CO, 2014

MPWR Conference, Denver, CO, 2014

RUME Conference, Denver, CO, 2013

Joint Mathematics Meetings (JMM), New Orleans, LA, 2011

RUME Conference, Portland, OR, 2011

RUME Conference, Raleigh, NC, 2010

PROFESSIONAL RESEARCH EXPERIENCE

Research Assistant, University of Northern Colorado

Summer 2011

Supervisor: Dr. Hortensia Soto-Johnson

Responsibilities included interview transcription and qualitative data analysis pertaining to experts' use of gesture and metaphor in complex analysis

Research Assistant, Mathematics Teaching and Leadership Center (NSF grant funded) Supervisor: Dr. Shandy Hauk Responsibilities included PCK instrument development, observation instrument development, teacher observations (~50 hours), quantitative analysis, and reporting results.	2009-2011
Professional Development External Evaluator, Fort Morgan School District, CO Supervisor: Dr. Shandy Hauk Responsibilities included instrument development, implementation, and scoring; data entry and analysis; reporting results.	2009-2010
Research Assistant, University of Northern Colorado Supervisor: Dr. Hortensia Soto-Johnson Responsibilities included interview transcription, qualitative data analysis, and synthesizing the results of a study concerning preservice teachers' validation of geometry proofs.	Summer 2009
Research Assistant, University of Northern Colorado Supervisor: Dr. Nathaniel Miller Responsibilities included creating a literature review and conducting and transcribing task-based interviews for his study concerning students' navigation of new geometric concepts through inquiry-based learning.	Summer 2008

ACADEMIC LEADERSHIP

Conference Proceedings Reviewer 16 th & 22 nd Annual Conferences on Research in Undergraduate Mathematics Education	2012, 2018
Preservice Elementary Teacher Mentor Students enrolled in MA381, University of Northern Colorado	Fall 2010
Supplemental Copy-Editor <i>Research in Collegiate Mathematics Education</i> book series	Spring 2008

SERVICE at EAST STROUDSBURG UNIVERSITY

College of Education Assessment Committee Member	2016-present
College of Education Liaison for the Arts & Sciences	2018-present
PSED Liaison for the Arts & Sciences	2017-present
Teacher Education Committee Member	2018-present
Member of Sigma Xi (Scientific Research Society) ESU Committee Co-chair of Dessertfest and Jeopardyfest, Spring 2017 Co-chair of Dessertfest and Triviafest, Spring 2018	2016-2018
Secretary of Sigma Xi, ESU Committee (elected) Co-chair of Dessertfest and Triviafest, Spring 2019 Co-chair of Annual Sigma Xi Banquet, Spring 2019	2018-present

Sabbatical Committee Member (elected)	2018-present
Library Committee Nominee	2017
Faculty Marshall at Commencement Ceremony	Fall 2016 Fall 2017
Mathematics department representative at ESU Open House	Fall 2016 Fall 2017 Fall 2018
Member of the PASSHE-MA Organizing Committee	2017-2018
Various Mathematics Departmental Services	2016-present
Academic Advisor	
Adjunct observations and written reports	
GE Certification	
Events for Majors	

RECOGNITION

Recognition for Teaching by Graduating Senior, East Stroudsburg University	2014
Certificate of Appreciation for Teaching First Year Scholars Recognition Reception, University of Northern Colorado	2012
Award for Outstanding Teaching by a Graduate Student Recipient, Mathematical Sciences, University of Northern Colorado	2011
Nominee, Mathematical Sciences, University of Northern Colorado	2010
Outstanding Mathematics Education Major Award Recipient Mathematics Department, Plymouth State University	2005
Top 20 Graduating Senior Award Based on academics and service, Plymouth State University	2005

PROFESSIONAL ASSOCIATION MEMBERSHIP

American Mathematical Society	2011
Association for Women in Mathematics	2007-2013
National Council of Teachers of Mathematics	2006-Present
New Hampshire Teachers of Mathematics	2005-2007