## Gillian E. Galle

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## **EDUCATION**

Ph.D. in Mathematics Education	Expected May 2013
University of New Humpshire, Durnam, NH	
M.S. in Mathematics	Dec. 2013
University of New Hampshire, Durham, NH	
M.S. in Industrial and Applied Mathematics	May 2005
Rochester Institute of Technology, Rochester, NY	
B.S. in Computational Mathematics	May 2005
Rochester Institute of Technology, Rochester, NY	

#### AWARDS

Graduate Student Teaching Award, University of New Hampshire AY 2011-	2012
Graduate School Travel Grant, University of New Hampshire Spring 20	12
Summer Teaching Assistant Fellowship, University of New Hampshire Summer 2	011
Graduate School Travel Grant, University of New Hampshire Spring 20	11
Graduate Student Teaching Award Nomination, University of New Hampshire Spring 20	10
Outstanding Teaching Assistant, <i>Rochester Institute of Technology</i> 2004, 200	5

# **ACADEMIC POSITIONS**

Teaching Assistant, University of New Hampshire, Durham, NH	2007 - Present
Summer Adjunct Instructor, University of New Hampshire, Manchester, NH	2008 - 2010
Lecturer, Rochester Institute of Technology, Rochester, NY	2005 - 2007
Teaching Assistant, Rochester Institute of Technology, Rochester, NY	2004 - 2005

# RESEARCH

Papers

- Galle, G., & Meredith, D. (2012). *The trouble with trig.* Manuscript submitted for publication.
- Galle, G. (2012). *Determining the structure of student study groups*. Manuscript submitted for publication.
- Galle, G. (2012). Student troubles with simple harmonic motion models. In S. Brown, S. Larsen, K. Marrongelle, and M. Oehrtman (Eds.), *Proceedings of the 15th Annual*

*Conference on Research in Undergraduate Mathematics Education* (pp. 430 - 434). Portland, Oregon.

http://sigmaa.maa.org/rume/crume2012/RUME\_Home/RUME\_Conference\_Papers\_files/RU ME\_XV\_Conference\_Papers.pdf

- Galle, G. (2012). What do students do in self-formed mathematics groups? In S. Brown, S. Larsen, K. Marrongelle, and M. Oehrtman (Eds.), *Proceedings of the 15th Annual Conference on Research in Undergraduate Mathematics Education* (pp. 435 439). Portland, Oregon.
  <a href="http://sigmaa.maa.org/rume/crume2012/RUME\_Home/RUME\_Conference\_Papers\_files/RUME\_XV">http://sigmaa.maa.org/rume/crume2012/RUME\_Home/RUME\_Conference\_Papers\_files/RUME\_XV</a> Conference Papers\_files/RU
- Galle, G. (2011). A multi-strand model for student comprehension of the limit concept. In S. Brown, S. Larsen, K. Marrongelle, and M. Oehrtman (Eds.), *Proceedings of the 14<sup>th</sup> annual Conference on Research in Undergraduate Mathematics Education* (Vol. 1, pp. 103 114). Portland, Oregon. <u>http://sigmaa.maa.org/rume/RUME\_XIV\_Proceedings\_Volume\_1.pdf</u>
- Galle, G. (2005). *Best-worst minimal k-rankings* (Unpublished master's thesis). Rochester Institute of Technology, Rochester, New York.

#### Posters

- Galle, G. (2012, Feb.). *How to capture student study habits outside of the classroom*. Invited poster presented at the 15<sup>th</sup> annual meeting of the Special Interest Group of the Mathematical Association of America (SIGMAA) on Research in Undergraduate Mathematics Education (RUME) Conference, Portland, Oregon.
- Galle, G. (2010, June). *Student understanding of limits*. Poster presented at the Transforming Research in Undergraduate STEM Education (TRUSE) Conference, Orono, Maine.

#### Presentations

- Galle, G. (2012, Feb.). *What do students do in self-formed mathematics study groups*? Paper presented at the 15<sup>th</sup> annual meeting of the Special Interest Group of the Mathematical Association of America (SIGMAA) on Research in Undergraduate Mathematics Education (RUME) Conference, Portland, Oregon.
- Galle, G. (2012, Feb.). *Student troubles with simple harmonic motion models*. Paper presented at the 15<sup>th</sup> annual meeting of the Special Interest Group of the Mathematical Association of America (SIGMAA) on Research in Undergraduate Mathematics Education (RUME) Conference, Portland, Oregon.
- Galle, G. (2011, Feb.). A multi-strand model for student comprehension of the limit concept. Paper presented at the 14<sup>th</sup> annual meeting of the Special Interest Group of the Mathematical Association of America (SIGMAA) on Research in Undergraduate Mathematics Education (RUME) Conference, Portland, Oregon.

# **TEACHING EXPERIENCE**

Instructor of Record

- Calculus I (Math 425), University of New Hampshire, Durham, NH
- Mathematical Proof (Math 531), University of New Hampshire, Durham, NH
- Analysis & Application of Functions (Math 418), *University of New Hampshire, Manchester, NH*
- Finite Mathematics (Math 420), University of New Hampshire, Manchester, NH
- Calculus I (Math 425), University of New Hampshire, Manchester, NH
- Algebra for Management Science (1016-225), *Rochester Institute of Technology, Rochester,* NY
- Calculus for Management Science (1016-226), *Rochester Institute of Technology, Rochester,* NY
- Calculus with Foundations I (1016-261), Rochester Institute of Technology, Rochester, NY
- Calculus with Foundations II (1016-262), Rochester Institute of Technology, Rochester, NY
- Calculus A (1016-271), Rochester Institute of Technology, Rochester, NY
- Calculus B (1016-272), Rochester Institute of Technology, Rochester, NY
- Calculus C (1016-273), Rochester Institute of Technology, Rochester, NY
- Calculus D (1016-274), Rochester Institute of Technology, Rochester, NY

#### Teaching Assistant

- Analysis & Application of Functions (Math 418), *University of New Hampshire, Durham, NH*
- Honors/Calculus I (Math 425H), University of New Hampshire, Durham, NH
- Honors/Calculus II (Math 426H), University of New Hampshire, Durham, NH
- Mathematical Proof (Math 531), University of New Hampshire, Durham, NH
- Calculus A (1016-271), Rochester Institute of Technology, Rochester, NY
- Calculus B (1016-272), Rochester Institute of Technology, Rochester, NY
- Calculus C (1016-273), Rochester Institute of Technology, Rochester, NY
- Project Based Calculus I (1016-281), Rochester Institute of Technology, Rochester, NY
- Project Based Calculus II (1016-282), Rochester Institute of Technology, Rochester, NY
- Project Based Calculus III (1016-283), Rochester Institute of Technology, Rochester, NY

# **PROFESSIONAL ACTIVITIES**

- Reviewer for 15<sup>th</sup> annual meeting of SIGMAA on RUME Conference
- Reviewer for 16<sup>th</sup> annual meeting of SIGMAA on RUME Conference
- Assistant and Exam Proctor for MATHCOUNTS Chapter Competitions held at the University of New Hampshire, Durham, NH: 2008, 2009, 2010, 2011, 2012

#### **AFFILIATIONS**

- National Council of Teachers of Mathematics (NCTM)
- American Mathematical Society (AMS)