

**Kaleinani S. Boardman**  
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## EDUCATION

**Ph.D. Student in Mathematics Education**, Washington State University, Vancouver, WA.  
Ph.D. Expected 2021.

**M.S.T. in Mathematics**, Portland State University, Portland, OR. Master's Project: *The Problem of the 36 Officers*. June, 2009.

**B.A. in Mathematics and Theatre**, Pacific University, Forest Grove, OR. Mathematics Capstone Project: *Periodicity in Dynamical Systems*. May, 2006.

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## PROFESSIONAL EXPERIENCE

- 2018        **Lewis & Clark College**, Department of Mathematical Sciences  
Part-time instructor of mathematics
- 2016 – 2018    **Washington State University Vancouver**, Department of Teaching & Learning  
Graduate teaching and research assistant
- 2012 – 2015    **Oregon State University**, Mathematics Department  
Graduate teaching assistant
- 2011 – 2012    **Pacific University**, Mathematics and Computer Science Department  
Full-time instructor of mathematics
- 2010 – 2011    **Pacific University**, Mathematics and Computer Science Department  
Part-time instructor of mathematics
- 2010        **Portland Community College Rock Creek**, Mathematics Department  
Instructor of mathematics
- 2009 – 2010    **Mount Hood Community College**, Mathematics Department  
Instructor of mathematics
- 2003        **Department of Education Hawaii**  
Preschool teacher assistant
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## PUBLICATIONS

### Proceedings, Peer-reviewed

Lesseig, K., Hine, G., & **Boardman, K.** (2018). Preservice secondary mathematics teachers' perceptions of proof in the secondary mathematics classroom. In T. Hodges, G. J. Roy, & A. M. Tyminski (Eds.), *Proceedings of the 40th annual meeting of the North American Chapter of the International Group for the psychology of mathematics education* (pp. 671-678). Greenville, SC: University of South Carolina & Clemson University.

### Journal Publications

Lesseig, K., Hine, G., Soo Na, G., & **Boardman, K.** (2019). Perceptions on proof and the teaching of proof: A comparison across preservice secondary teachers in Australia, USA, and Korea. *Mathematics Education Research Journal*, 3(4), 393-418.

## PRESENTATIONS

### Regional and Local Presentations

**Titcomb, K.**, Lesseig, K., & Hine, G. (March 2018). *Prospective Secondary Mathematics Teachers' Conceptions of Proof and Proof Teaching*. Poster presentation at Washington State University Academic Showcase. Pullman, WA.

**Titcomb, K.**, Lesseig, K., & Hine, G. (April 2018). *Preservice Secondary Mathematics Teachers' Conceptions of Proof and Proof Teaching*. Poster presentation at Washington State University Research Showcase. Vancouver, WA.

## SCHOOL PARTNERSHIPS AND PROFESSIONAL DEVELOPMENT

- 2019 – **AP Calculus Exam: Table Leader**  
Duties include back-reading the scoring of the AP Calculus exam free-response questions to ensure consistency of implementation of scoring guidelines of approximately 16-20 readers, as well as grading AP Calculus exam free-response questions.
- 2016 – 2018 **AP Calculus Exam: Reader**  
2011 – 2012 Duties included grading AP Calculus exam free-response questions.
- 2016 – 2017 **Mathematics Program Review: Evaluator**  
Participated in a comprehensive review of the mathematics program at a local middle school at the request of school administration. Duties included teacher and principal interviews, classroom observations, analyzing data, and writing the final report.

## GRANTS AND SCHOLARSHIPS

- 2020-2021 Charles T. and Geraldine W. Carlson Endowed Scholarship in Education  
Laurence J. Peter Memorial Graduate Fellowship in Teacher Education
- 2019-2020 WSU GPSA Dissertation Grant
- 2018-2019 Deborah T. Killinger Scholarship

## SERVICE

### *Regional, State, and Local service:*

Student coordinator for WSMC Regional High School Mathematics Contest at WSU-Vancouver (2018).

Student coordinator for Infinite Possibilities Conference at Oregon State University (2015)

Co-director for Oregon Invitational Mathematics Tournament at Oregon State University (2014)

## COURSES TAUGHT

### **Lewis & Clark College (Fall 2018)**

MATH 115 Elementary Functions

### **Washington State University – Vancouver (Fall 2016 – Spring 2018)**

MATH 351 Algebraic Thinking for the Middle School Teacher (2x)

T&L 427/534 Proportional Reasoning (2x)

T&L 600 Mathematics Practicum

### **Oregon State University (Fall 2012 – Fall 2015)**

MTH 103 Algebraic Reasoning

MTH 251 Differential Calculus

MTH 299 Math Excel for Integral Calculus (3x)

MTH 254 Vector Calculus I

### **Pacific University (Fall 2010 – Spring 2012)**

MTH 122 College Algebra

MTH 125 Pre-Calculus (3x)

MTH 165 Modern Topics in Mathematics

MTH 165b Modern Topics in Mathematics II

MTH 226      Calculus I (2x)

**Mount Hood Community College (Fall 2009 – Fall 2011)**

MATH 10      Conceptual Arithmetic  
MATH 20      Applied Arithmetic and Pre-Algebra (3x)  
MATH 60      Beginning Algebra I  
MATH 95      Intermediate Algebra  
MATH 111     Pre-Calculus I: Elementary Functions  
MATH 251     Calculus I: Differential Calculus  
MATH 252     Calculus II: Integral Calculus

**Portland Community College – Rock Creek (Summer 2011)**

MATH 111c    College Algebra for Mathematics, Science, Engineering

**GRADING, TUTORING, AND TA EXPERIENCE**

**Oregon State University (Fall 2012 – Fall 2015)**

MTH 105      Intro to Contemporary Math TA  
MTH 254      Vector Calculus I TA (2x)  
MTH 311      Advanced Calculus II Grader (2x)  
MTH 343      Intro to Modern Algebra Grader

**Pacific University (Fall 2003 – Spring 2005)**

MTH 165      Modern Topics in Mathematics Grader  
MTH 226      Calculus I Grader

**Tutoring Club (Summer 2005 – Spring 2007)**

K – 12          Mathematics Tutor

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**PROFESSIONAL MEMBERSHIPS**

American Educational Research Association (AERA)  
Mathematical Association of America (MAA)  
National Council of Teachers of Mathematics (NCTM)