

# LACEY JOHNSON

## EDUCATION

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*University of Florida, Gainesville, FL*

PhD in Mathematics, May 2019

Advisor: Kevin Knudson

Dissertation Title: Discrete Morse Theory on Loop Spaces

*University of Florida, Gainesville, FL*

M.S. in Mathematics, May 2016

*James Madison University, Harrisonburg, VA*

B.S. in Mathematics, May 2014

B.S. in Communication Studies Concentration: Interpersonal Communication

MAC 1105: Basic College Algebra **Spring 2017**

- o **Managed responsibilities of teaching assistants.**
- o Led the online and hybrid sections.
- o Gained experience working with online programs, such as Canvas, MyMathLab, and ProctorU.

MAC 1105: Basic College Algebra **Fall 2016**

- o **Offered services to support first-year students in their academic transition** from high school to college as part of the AIM Program at UF.
- o **Smaller class size** helped to enhance math and communication skills.

MAC 2311: Analytic Geometry and Calculus I **Summer 2016**

### Adjunct

MAC 2311: Analytic Geometry and Calculus I - Online **Summer 2019 (expected)**

### Lecturer

MAC 1147: Precalculus, Algebra, and Trigonometry **Fall 2018**

- o **Lecturing a larger class size** of over 300 students.

### Teaching Assistant

MAC 2312: Analytic Geometry and Calculus II Flipped Classroom **Spring 2019**

MAC 2312: Analytic Geometry and Calculus II Flipped Classroom **Spring 2018**

MAC 2311: Analytic Geometry and Calculus I **Fall 2016**

MAC 2311: Analytic Geometry and Calculus I **Spring 2016**

MAC 2311: Analytic Geometry and Calculus I **Fall 2015**

MAC 1105: Basic College Algebra **Spring 2015**

MAC 1147: Precalculus, Algebra, and Trig **Fall 2014**

**RESEARCH EXPERIENCE, PRESENTATIONS, AND PAPERS**

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**UF/FSU Topology and Geometry Meeting (expected)**

**February 2019**

Speaking on Discrete Morse Theory on Loop Spaces

**Johnson, L. and Knudson, K. (2018). *Min-***

**Make Your Mark on Madison Participant**, James Madison University

**Fall 2011**

Focused on learning and discussing values, diversity, communication, and general leadership skills necessary for positive involvement on campus.