

JULIANNE FAUR

PhD Student | University of Nebraska-Lincoln

Office: Avery Hall 242 | Email: juliannefaur@huskers.unl.edu

EDUCATION

University of Nebraska-Lincoln

GRADUATE **PhD Student in Mathematics** (August 2022 - Present)

- Advisor: Eloísa Grifo

UNDERGRADUATE **B.A. in Mathematics** (August 2014 - December 2018)

- Graduated with High Distinction
- Minors in Philosophy, Psychology, and Political Science

RESEARCH INTERESTS

I am interested in the use of homological methods in commutative algebra.

HONORS & AWARDS

University of Nebraska-Lincoln, Graduate School of Mathematics

- **Outstanding Qualifying Exam**, 2023 Academic Year
 - Awarded in December 2023

TEACHING

University of Nebraska-Lincoln

- **Math 101 - College Algebra**, Instructor of Record | Fall 2023 - Present
- **Math 107 - Calculus II**, Graduate Teaching Assistant | Spring 2023 - Summer 2023
- **Math 106 - Calculus I**, Graduate Teaching Assistant | Fall 2022
- **Math 106 - Calculus I**, Undergraduate Teaching Assistant | Fall 2018
- **Math 106 - Calculus I**, Undergraduate Learning Assistant | Fall 2017
- **Math 107H - Honors Calculus II**, Undergraduate Teaching Assistant | Fall 2016

SERVICE & OUTREACH

Girls, Inc. - *University of Nebraska-Lincoln*

- **Outreach Instructor** | Summer 2023
 - Designed a diverse mathematics curriculum and planned corresponding activities for middle schoolers intended to spark their interest in math, and then lead a five-day workshop involving the prepared material for a group of about fifteen girls in the seventh and eighth grades.
- **Assistant to Outreach Instructor** | Summer 2022
 - Assisted the lead instructor in designing a diverse mathematics curriculum and planning corresponding activities for middle schoolers intended to spark their interest in mathematics, and then helped the instructor lead two five-day workshops involving the prepared material for a group of about fifteen girls in the seventh and eighth grades.