

Kyla Pohl

Mathematics PhD Candidate – Graduate Employee

PRONOUNS: she/her

EMAIL: kyla.pohl@gmail.com

AFFILIATION: University of Oregon; Eugene, OR, USA

RESEARCH INTERESTS

I work in combinatorics with specific interest in Jack symmetric functions and hook length formulas.

EDUCATION

University of Oregon, PhD
Mathematics
Advisor: Ben Young

Expected: June 2025

University of Oregon, MS
Mathematics

June 2021

St. Olaf College, Bachelor of Arts, *magna cum laude*
Major: Mathematics, Concentration: Japan Studies

May 2019

Budapest Semesters in Mathematics Summer Program

June-Aug 2017

PUBLICATIONS

K. Pohl, B. Young; “Jack Combinatorics of the Equivariant Edge Measure,” in preparation

R. Gaybullayev, A. Khudoyberdiyev, K. Pohl; “Classification of solvable Leibniz algebras with abelian nilradical and $k - 1$ dimensional extension,” *Communications in Algebra*, 48:7 (2020), 3061-3078. <https://arxiv.org/pdf/1808.06171.pdf>

J. Dietz, M. Klein, S. Nycklemoe, K. Pohl; “Automorphism Orbits of some Metacyclic Groups,” *Pi Mu Epsilon Journal* 14, no. 9 (2018): 557-564.

PRESENTATIONS

University of Oregon Combinatorics Seminar
An Introduction to Jack Symmetric Functions

Nov 2023

University of Oregon Student Counting Seminar
An Introduction to Ramsey Theory

Oct 2022

AMS/MAA Joint Mathematics Meetings
Classification of solvable Leibniz algebras with abelian nilradical and $k - 1$ dimensional extension

Jan 2019

TEACHING EXPERIENCE

Note: All classes conducted at the University of Oregon unless otherwise specified; * indicates remote, † indicates two sections.

Instructor of Record

Foundational Algebra and Mathematical Modeling	<i>Fall 2024, † Fall 2023</i>
Calculus I	<i>Spring 2023</i>
Precalculus II	<i>Winter 2023, Fall 2022, Spring 2022</i>
Precalculus I	<i>Winter 2022, * Winter 2021</i>
Elementary Statistics	<i>* Summer 2020</i>

Teaching Assistant

Elementary Statistics	<i>Fall 2021, * Spring 2021</i>
Precalculus I	<i>* Fall 2020</i>
Ballroom Dance I (St. Olaf College)	<i>Fall 2018, Spring 2019</i>

Tutoring

One-on-one Japanese language tutor (St. Olaf College)	<i>Fall 2018</i>
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Grading

Introduction to Combinatorics – Linear Algebra I – Abstract Algebra I (St. Olaf College)
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PROFESSIONAL DEVELOPMENT

University of Oregon Graduate Teaching Initiative Certificate of Completion	<i>Expected: June 2025</i>
Erdős Institute Data Science Boot Camp Certificate of Completion	<i>Expected: Dec 2024</i>
Journeys In Mathematics <i>Massachusetts Institute of Technology</i>	<i>June 2024</i>
Cascade Lectures in Combinatorics <i>University of Oregon</i>	<i>May 2024</i>
Summer School in Algebraic Combinatorics <i>Krakow, Poland</i>	<i>July 2022</i>
BRIDGES Conference <i>University of Utah</i>	<i>July 2021</i>
International Research Experience for Students <i>Tashkent, Uzbekistan</i>	<i>May-July 2018</i>

MENTORSHIP

UO Math Directed Reading Program

Partially Ordered Sets

Ramsey Theory

Winter 2024

Winter 2023

- Led an undergraduate student through readings on the theory of posets or introductory Ramsey theory
- Advised student in writing and giving a 20 minute talk on this topic

UO Math First-Year Graduate Mentorship Program

Mentor

Sept 2022 - Present

- Supported a student in the first year of their graduate program
- Met informally with student one-on-one over lunch once each term to check in

SERVICE

UO AWM Student Chapter

Sept 2019 - Present

Vice President

Sept 2024 - Present

- Scheduled and organized executive council meetings
- Assisted president with standard duties
- Coordinated general membership meeting refreshments

Reading Room Committee Head

Sept 2020 - Present

- Managed a library of books highlighting underrepresented voices in mathematics
- Planned and hosted small group discussions about these topics

UO Mathematics Graduate Affairs Committee

Student Representative

Sept 2020 - Sept 2023

- Advised the department head on subjects pertaining to the graduate program
- Oversaw graduate student office occupancy changes
- Coordinated the first-year mentorship program and paired mentors and mentees

SCHOLARSHIP AND MEMBERSHIP

University of Oregon Mathematics Department 2019 Vitulli Scholar

Phi Beta Kappa Honor Society

Pi Mu Epsilon Honor Society

SKILLS

Japanese (Conversational)

SageMath/Python

L^AT_EX