Kelly Pohland

Personal Information

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Education

- Ph.D. Mathematics, University of Oregon, Spring 2022
  Advisor: Daniel Dugger

- M.S. Mathematics, University of Oregon, 2021

- B.S. Mathematics, Allegheny College, 2016
  Minor in Music Performance

Research Interests

- Equivariant homotopy theory, $RO(G)$-graded Bredon cohomology

Publications

- *University of Oregon AWM Chapter: Creation and Evolution.* With E. Bellah, S. Frei, and L. Merill, appearing in *Fifty Years of Women in Mathematics: Reminiscences, History, and Visions for the Future of AWM*

- *Some nonsimple modules for centralizer algebras of the symmetric group*, appearing in *Involve: A Journal of Mathematics* in January 2016

Conferences and Workshops Attended

- BUGCAT Conference, Binghamton, NY, November 5-6, 2022

- Mathematics Teacher-Scholar Symposium, Reed College, May 22-23, 2021

- Graduate Student Topology and Geometry Conference, online, April 9-11, 2021

- Joint Mathematics Meetings, Seattle, WA, January 6-9, 2016

Teaching Experience

- I am currently the Instructor of Record for two sections of Multivariable Calculus (Math 2300) at Vanderbilt University

- I was the Instructor of Record for the following courses at University of Oregon:

Term	Course Number	Course Name
Spring 2022	Math 256	Intro to Differential Equations
Winter 2021	Math 307	Introduction to Proof
Fall 2020	Math 253	Calculus III
Spring 2020	Math 251	Calculus I
Winter 2020	Math 252	Calculus II
Summer 2019	Math 243	Intro to Probability and Statistics
Spring 2019	Math 252	Calculus II
Winter 2019	Math 251	Calculus I
Summer 2018	Math 243	Intro to Probability and Statistics
Spring 2018	Math 112	Elementary Functions
Winter 2018	Math 112	Elementary Functions
Summer 2017	Math 243	Intro to Probability and Statistics
Winter 2017	Math 111	College Algebra
Fall 2016	Math 111	College Algebra

- I was a Teaching Assistant for the following courses at University of Oregon:

Term	Course Number	Course Name
Winter 2022	Math 432/532	Intro to Topology II
Winter 2022	Math 316	Fundamentals of Analysis I
Fall 2021	Math 251	Calculus I
Fall 2019	Math 243	Intro to Probability and Statistics
Fall 2018	Math 241	Business Calculus I
Fall 2017	Math 241	Business Calculus I

INVITED TALKS AND PRESENTATIONS

- *The $RO(C_3)$-graded cohomology of C_3-surfaces in $\underline{\mathbb{Z}/3}$-coefficients*, University of Kentucky Topology Seminar, November 10, 2022

- *The $RO(C_3)$-graded cohomology of C_3-surfaces in $\underline{\mathbb{Z}/3}$-coefficients*, FRG: Trace Methods in K-theory Seminar, November 7, 2022

- *The $RO(C_3)$-graded cohomology of C_3-surfaces in $\underline{\mathbb{Z}/3}$-coefficients*, BUGCAT Conference, November 5-6, 2022

- *The $RO(C_3)$-graded cohomology of C_3-surfaces in $\underline{\mathbb{Z}/3}$-coefficients*, University of Oregon Topology Seminar, November 9, 2021

- *The $RO(C_3)$-graded cohomology of C_3-surfaces in $\underline{\mathbb{Z}/3}$-coefficients*, AMS Special Session on Equivariant and Motivic Homotopy Theory, October 23 - 24, 2021

- *Order 3 symmetries of surfaces*, Mathematics Teacher-Scholar Symposium, Reed College, May 22, 2021

- *Equivariant Bredon cohomology of C_3-surfaces* (poster), Graduate Student Topology and Geometry Conference, April 9, 2021

- *Some nonsimple modules for centralizer algebras of the symmetric group* (poster), JMM, January 2016

SERVICE AND MEMBERSHIPS

- Co-organizer for the Vanderbilt University Directed Reading Program, September 2022 - Present

- Mentor in the VU Directed Reading Program, September 2022 - Present

- UO AWM Student Chapter President, June 2021 - June 2022

- Mentor in the UO Undergraduate Directed Reading Program, January 2021 - April 2021 and January 2022 - April 2022

- Co-founder for the UO Antiracism Learning Seminar

- Committee member for the UO AMS Outreach committee, September 2020 - June 2022

- Mentor to first year graduate student, September 2019 - June 2020

- Student member of the Association for Women in Mathematics, 2019 and 2021

- Volunteer at Oregon Invitational Mathematics Tournament, May 2018

- Committee Chair for UO AWM Speaker Series Committee, September 2018 - June 2021

- Member of the UO Graduate Affairs Committee, June 2017 - June 2019

Talks in Undergraduate Seminars

- *The classification of Platonic solids*, UKY Math Club, November 10, 2022

Expository Talks in UO Homotopy Seminar

- *Higher Steenrod powers*, 2021

- *$RO(G)$-graded cohomology and C_3-surfaces*, 2020

- *$RO(C_2)$-graded cohomology of equivariant Grassmannians*, 2019

HONORS AND AWARDS

- *Frank W. Anderson Graduate Teaching Award*, Unviersity of Oregon, 2021

- *Doane Scholar*, Allegheny College, 2013 - 2016

- *Distinguished Alden Scholar*, Allegheny College, 2012 - 2016

PROFICIENCIES

- *Software:* Zoom, Microsoft Teams, Microsoft Office, Adobe Illustrator

- *Programming/Typesetting:* LaTeX, Python