

Hannah Klawe

CONTACT INFORMATION

Indiana University East
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FULL-TIME FACULTY POSITIONS

Indiana University East , Assistant Professor of Mathematics	August 2024 - Present
Indiana University East , Visiting Assistant Professor of Mathematics	August 2023 - August 2024

EDUCATION

George Mason University , Ph.D. Mathematics Advisor: Neil Epstein GPA: 3.95	May 19, 2023
George Mason University , M.S. Mathematics	December 23, 2017
Indiana University East , B.S. Mathematics	December 15, 2014

TEACHING EXPERIENCE

Indiana University East	2014 - Present
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Instructor of Record

- Brief Survey of Calculus I (Summer 2018)
- Calculus III (Summers 2018, 2019)
- Bridge to Abstract Mathematics (Fall 2023)
- Introduction to Modern Algebra I (Summer 2023)
- Introduction to Modern Algebra II (Summers 2020, 2021, 2022, 2023, 2024, Spring 2024)
- Introduction to Analysis I (Fall 2023, Spring 2024, Fall 2024)
- Introduction to Topology I (Spring 2024)
- Topics in Mathematics - Commutative Ring Theory, supervised 2 independent study students (Spring 2024)
- Topics in Mathematics - Algebraic Geometry (Summer 2024)
- Topics in Algebra (cross-listed with Introduction to Modern Algebra II) (Spring 2024)
- Research Seminar, supervised one undergraduate student research project (Fall 2024)

Teaching Assistant (Summer 2014 - Summer 2017)

- Courses: Calculus I, Calculus III, History of Mathematics, Introduction to Analysis II, Linear Algebra, Mathematical Foundations of Informatics, Number Theory, Senior Seminar in Mathematics

Online Math Mentor (Spring 2014 - Fall 2014)

George Mason University	2016 - 2023
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Instructor of Record

- Quantitative Reasoning (Summer 2020, Fall 2022)
- Linear Algebra (Summer 2021)

Graduate Learning Assistant

- Graduate Linear Analysis (Fall 2020)

Recitation Instructor

- Calculus I (Fall 2016, Spring 2017, Fall 2017)
- Calculus III (Spring 2018, Fall 2019, Spring 2020, Fall 2020, Spring 2021)
- Differential Equations (Fall 2017, Spring 2018, Fall 2018, Spring 2019)

Grader

- Discrete Mathematics I, midterm exam grading (Spring 2020, Fall 2021)
- Linear Algebra, exam grading (Spring 2017)
- Graduate Linear Analysis, homework grading (Fall 2018)

PAPERS & PUBLICATIONS

1. Hannah Klawa, “Graded perinormality”, *Journal of Algebra and Its Applications*, (To Appear), <https://www.worldscientific.com/doi/10.1142/S0219498825502718>
2. Hannah Klawa, “Global perinormality in a generalized $D + M$ construction” *Communications in Algebra*, **51** (2023), no. 7, 3015-3019. <https://www.tandfonline.com/doi/full/10.1080/00927872.2023.2175844>
3. Joanna G. Jauchen, Hannah Klawa, Long Nguyen, Rebecca R. G., Evelyn Sander, and Padmanabhan Seshaiyer, Cigole Thomas “GLAMS: Graduate Learning Assistants in Mathematical Sciences”, *PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies*, **33** (2023), no. 8, 819-840. <https://www.tandfonline.com/doi/full/10.1080/10511970.2023.2172751>
4. Joanna G. Jauchen, Hannah Klawa, Long Nguyen, Rebecca R. G., Evelyn Sander, and Padmanabhan Seshaiyer, Cigole Thomas, “Graduate Assistants supporting active learning in graduate classrooms”, On Demand Pre-recorded Presentation, *Innovations in Teaching and Learning Conference Proceedings*, Volume 13, September 2, 2021, <https://journals.gmu.edu/index.php/ITLCP/article/view/3007>

RESEARCH TALKS

1. “Graded Perinormality and Global Perinormality in Pullbacks”, West Virginia University Algebra Seminar, West Virginia University, April 19, 2023
2. “Globally perinormal domains and graded perinormality”, Spring 2023 Mason Three Minute Thesis (3MT[®]) Preliminary Round, George Mason University, March 3, 2023
3. “Global perinormality in a generalization of a $D + M$ construction and graded perinormality”, Commutative Algebra Seminar, University of Michigan, November 10, 2022
4. “Global perinormality in a generalization of a $D + M$ construction and graded perinormality”, Combinatorics, Algebra and Geometry Seminar (CAGS), George Mason University, October 28, 2022
5. “Graded perinormality”, Student Research Talks, George Mason University, October 7, 2022
6. “Graded perinormality and pullbacks of globally perinormal domains”, AMS Special Session “Factorization and arithmetical properties of commutative rings and monoids”, Spring Western Sectional Meeting, May 14, 2022
7. “Graded perinormality and pullbacks of globally perinormal domains”, AMS Special Session “Multiplicative ideal theory in honor of the career of William Heinzer”, Spring Central Sectional Meeting, March 26, 2022
8. “Global perinormality in pullbacks”, Student Research Talks, George Mason University, March 4, 2022
9. “Globally perinormal domains”, AMS Special Session “Commutative rings: ideals, modules and factorizations”, Virtual JMM, January 9, 2021
10. “Introduction to globally perinormal domains”, Student Research Talks, George Mason University, October 9, 2020

PROFESSIONAL ACTIVITIES

- Course Development:
 - Developing an undergraduate graph theory course to be offered in Summer 2025
Department of Mathematics, Indiana University East, Fall 2024 - Present
 - Created an undergraduate math topics course in algebraic geometry
Department of Mathematics, Indiana University East, Summer 2024
 - Assisted with preparing MATH-M393 - Bridge to Abstract Mathematics for Quality Mat-
ters course design review
Department of Mathematics, Indiana University East, Fall 2023
- Faculty Committee Member: IU East Math Club
Department of Mathematics, Indiana University East, Fall 2023 - Present
- Attendee: Quality Matters Information Session
IUE Center for Faculty Development, November 16, 2023
- Attendee: AI in the Classroom Workshop
IUE Center for Faculty Development, September 12, 2023
- Proctor: “Calculus Olympiad”
Department of Mathematical Sciences, George Mason University, March 31, 2023
- Volunteer Session Proposal Reviewer: “2023 Innovations of Teaching and Learning Conference”
GMU Stearns Center for Teaching and Learning, Spring 2023
- Volunteer Session Proposal Reviewer: “2022 Innovations of Teaching and Learning Conference”
GMU Stearns Center for Teaching and Learning, Spring 2022
- Participant (as presenter): “Q&A with On Demand Presenters”, 2021 Innovations of Teaching
and Learning Conference, George Mason University, September 23, 2021
- Volunteer Session Proposal Reviewer: “2021 Innovations of Teaching and Learning Conference”
GMU Stearns Center for Teaching and Learning, Spring 2021
- Attendee: “Asynchronous Online Class: Technologies and Pedagogy”, webinar
GMU Stearns Center for Teaching and Learning, November 6, 2020
- Participant: “Adjunct Online Class Development Workshop”, 3-evening workshop
IUE Center for Faculty Development, Summer 2020
- Participant: “Online Course Development Primer”, 5-week training class for online teaching
GMU Stearns Center for Teaching and Learning, April 24 - May 31, 2020
- Moderator: “Virtual Career Panel”
GMU SIAM Student Chapter and Mathematical Sciences Department, April 13, 2020

PROFESSIONAL MEMBERSHIP

American Mathematical Society, Mathematical Association of America

AWARDS AND GRANTS

Dissertation Completion Grant, George Mason University, Office of the Provost Spring 2023

SKILLS

Experience with Blackboard, Canvas, Gradescope, Hawkes Learning, L^AT_EX, MyMathLab