

Daniel Condon

Curriculum Vitæ

Education

- 2011–2014 **B.S. Applied Mathematics**, *Georgia Institute of Technology*.
2015–2017 **M.A. Mathematics**, *Indiana University*, Bloomington.
2015–present **Ph.D. Candidate Mathematics**, *Indiana University*, Bloomington.

Research Interests

Algebraic and Enumerative Combinatorics, Social Choice

Teaching

Indiana University

- Fall 2020 **M118 Finite Mathematics**, *Assistant Instructor*.
Summer 2020 **M106 The Math. of Decision and Beauty**, *Online Co-Instructor*.
Spring 2020 **M106 The Math. of Decision and Beauty**, *Assistant Instructor*.
Fall 2019 **M118 Finite Mathematics**, *Instructor of Record*.
Fall 2019 **V118 Finite Math. with Applications**, *Assistant Instructor*.
Summer 2019 **M106 The Math. of Decision and Beauty**, *Instructor of Record*.
Spring 2019 **M106 The Math. of Decision and Beauty**, *Instructor of Record*.
Fall 2018 **M106 The Math. of Decision and Beauty**, *Instructor of Record*.
Summer 2018 **M106 The Math. of Decision and Beauty**, *Course Developer*.
 - Developed teaching materials and resources for a general education course in popular mathematics.
 - Helped organize graduate student instructors.

Spring 2018 **D116 Introduction to Finite Math. 1**, *Instructor of Record*.
Fall 2017 **M106 The Math. of Decision and Beauty**, *Instructor of Record*.
Spring 2017 **M106 The Math. of Decision and Beauty**, *Assistant Instructor*.
Fall 2016 **M018 Basic Algebra for Finite Mathematics**, *Instructor of Record*.
Summer 2016 **M118 Finite Mathematics**, *Instructor of Record*.

Georgia Institute of Technology

- Fall 2014 **MATH 1502 Calculus 2**, *Recitation Leader*.
Spring 2014 **Math Lab Tutor**.
Spring 2014 **MATH 1502 Calculus 2**, *Recitation Leader*.
Fall 2013 **MATH 1501 Calculus 1**, *Recitation Leader*.

Rawles Hall, 831 E 3rd St – Bloomington, Indiana 47405 – United States

☎ (404)-259-4014 • ✉ dmcondon@indiana.edu

🌐 www.danielcondon.com

Awards

- 2020 David A. Rothrock Mathematics Fellowship
- 2019 Schober Travel Award
- 2018 David A. Rothrock Teaching Award

Service

- 2020–present **Machine Learning for Research Club Treasurer**, *Indiana University*.
- 2020–present **Peer Mentoring Program Organizer**, *Indiana University Department of Mathematics*.
- 2019 – 2020 **Grad Student Combinatorics Seminar Organizer**, *Indiana University Department of Mathematics*.
- Spring 2019 **Directed Reading Program Mentor**, *Indiana University Department of Mathematics*.
- Fall 2018 **Science Fest Volunteer**, *Indiana University*.
- Fall 2018 **Directed Reading Program Mentor**, *Indiana University Department of Mathematics*.

Talks

- Fall 2020 **Intersections of Schubert Varieties in the Grassmannian, Part 1**. Algebraic Combinatorics Seminar, *Indiana University Department of Mathematics*.
- Spring 2020 **Decision Trees**. Machine Learning Seminar, *Indiana University Department of Mathematics*.
- Spring 2020 **Polyominoes**. Grad Student Combinatorics Seminar, *Indiana University Department of Mathematics*.
- Spring 2020 **Combinatorial Game Theory**. Grad Student Combinatorics Seminar, *Indiana University Department of Mathematics*.
- Spring 2020 **Voting Theory**. Grad Student Combinatorics Seminar, *Indiana University Department of Mathematics*.
- Fall 2019 **Constraint Programming in Combinatorics**. Grad Student Combinatorics Seminar, *Indiana University Department of Mathematics*.
- Fall 2019 **Combinatorial Designs and Finite Geometries**. Grad Student Combinatorics Seminar, *Indiana University Department of Mathematics*.
- Fall 2019 **Generating Functions and Sicherman Dice**. Grad Student Combinatorics Seminar, *Indiana University Department of Mathematics*.
- 2014 **The Colored Cubes Problem**. Joint Math Meetings Combinatorics Session

Papers

Preprints

Tilings of Dented Half Hexagons. in preparation

Published

Lozenge Tiling Function Ratios for Hexagons with Dents on Two Sides.
Electron. J. Combin. Vol. 27-3 (2020)

The Color Cubes Puzzle with Two and Three Colors (with Ethan Berkove, David Cervantes Nava, and Rachel Katz) *The Mathematics of Various Entertaining Subjects* Vol. 2 (2017) pp. 125-140

Automorphisms of S_6 and the Colored Cubes Puzzle (with Ethan Berkove, David Cervantes Nava, and Rachel Katz) *Australas. J. Combin.* Vol. 68 (2017) pp. 71-93

On Generalizations of Separating and Splitting Families. (with Samuel Coskey, Luke Serafin, and Cody Stockdale) *Electron. J. Combin.* Vol. 23-3 (2016)