Taryn Laird Curriculum Vitae

Contact Information	tarynl@email.arizona.edu
Education	**Northern Arizona University**, Flagstaff, AZ

	B.S. Mathematics	May 2014
	M.S. Mathematics	May 2016

Research

Classification of T-Avoiding Elements in Coxeter Groups   Spring 2015–Spring 2016

Certain Coxeter groups contain elements referred to a T-Avoiding elements, we classified the T-avoiding elements in type A_n, B_n and $\widetilde{C}_n$, and did preliminary work in $\widetilde{A}_n$.

Trees of Irreducible Numerical Semigroups   Fall 2012–May 2014

In directed tree graphs of irreducible numerical semigroups, we have devised a formula for the height of the tree and have shown the existence of a unique longest branch in the case of odd Frobenius numbers.

Honors

University of Arizona, Tucson, AZ
Teaching and Service Award   **Spring 2020**

University of Arizona, Tucson, AZ
New Start Instructor of the Summer   Summer 2018

University of Arizona, Tucson, AZ
Outstanding Teaching Assistant Award   Fall 2017

Northern Arizona University, Flagstaff, AZ

Dean's List	Fall 2010–May 2014
Honors Program Participant	Fall 2010–May 2014
Arizona Regents High Honors Tuition Waiver Recipient	Fall 2010–May 2014

Presentations

Course Blitz: Math 107 and Math 112   Sept. 2019
Mathematics Instructor Colloquium, UA, Tucson, AZ

Gradescope   Aug. 2019
Physics Seminar, UA, Tucson, AZ

A Study of T-Avoiding Elements in Coxeter Groups   May 2016
Colloquium Northern Arizona University, NAU, Flagstaff, AZ

Trees of Irreducible Numerical Semigroups   Mar. 2014
Southwestern Undergraduate Mathematics Research Conference, MCC, Mesa, AZ

Trees of Irreducible Numerical Semigroups   Mar. 2014
Southwestern Undergraduate Mathematics Research Conference, MCC, Mesa, AZ

Trees of Irreducible Numerical Semigroups   Jan. 2014
Joint Mathematics Meetings 2014, Baltimore, MD

How I got into this problem...Trees of Irreducible Numerical Semigroups   Jan. 2014
Friday Afternoon Mathematics Undergraduate Seminar, NAU, Flagstaff, AZ

Trees of Irreducible Numerical Semigroups Part 1   March 2013
Southwestern Undergraduate Mathematics Research Conference, UNM, Albuquerque, NM

Trees of Irreducible Numerical Semigroups (poster)   Apr. 2013
Undergraduate Research and Design Symposium, NAU, Flagstaff, AZ

Trees of Irreducible Numerical Semigroups   Jan. 2013
Nebraska Conference for Undergraduate Women in Mathematics, UNL, Lincoln, NE

Publications   Laird, T., Martinez, J. (2016). *The longest branch of the tree of irreducible numerical semigroups with odd Frobenius number.* Minnesota Journal of Undergraduate Mathematics, Vol 2. Num. 1

Laird, T., Martinez, J. (2013). *Trees of Irreducible Numerical Semigroups.* Rose-Hulman Undergraduate Mathematics Journal, 14(1)

Community Involvement   *Mathematics Tutor*   Aug. 2012–Present
Flagstaff, AZ

Employment   *Mathematics Instructor*   Jan. 2018 – Present
  Department of Mathematics
  University of Arizona
  Positions Held:
    Math 112 Coordinator May 2020 – Present   New Start Mathematics Coordinator
May 2019 – Present
      Transfer Credit Evaluator   January 2019 – Present
      Math 100 Discussion Coordinator   June 2018 – Present
      Math 112 Course Co–Coordinator   May 2019 – May 2020
      Content creator for Math 100 Discussion   June 2018 – January 2020
      Placement Advisor   Summer 2018, 2019, 2020
      New Start Instructor   Summer 2018
  Graduate Teaching Assistant   Aug. 2016 – Dec. 2017
    Department of Mathematics
    University of Arizona

Teaching   *Courses taught*   University of Arizona
  Math 112 – College Algebra
    Spring 2018, Summer 2018, Fall 2019, Fall 2020
  Math 107 – Exploring and Understanding Data
    Spring 2018, Fall 2018, Spring 2019
  Math 108 – Modeling with Algebra and Trigonometry
    Spring 2020
  Math 120R – Calculus Preparation
    Fall 2018
  Math 263 – Biostatistics
    Fall 2019, Spring 2020
  Math 196L – Supplemental Instruction for Precalculus
    Spring 2018
  Math 100 – Preparation for University Level Mathematics
    Fall 2018
  Course Creation Committee Participation   University of Arizona
  Math 107 – Exploring and Understanding Data
     Creation of Excel Projects; Spring 2017
  Math 100 – Preparation for University Level Mathematics
    Creation of activities for discussion section; Summer 2018
  Math 112 – College Algebra
    Creation of Supplemental Instruction Activities; Summer 2018