ALLISON HENRICH	
Seattle University 901 12th Avenue Seattle, WA 98122	henricha@seattleu.edu http://fac-staff.seattleu.edu/henricha/web/ Phone: 206.296.5922
EDUCATION —	
Dartmouth College Ph.D., Mathematics, Advisor: Vladimir Chernov	Summer 2005 – Spring 2008
Dartmouth College M.A., Mathematics	Fall 2003 – Spring 2005
University of Washington, Seattle B.S., Mathematics, Magna Cum Laude B.A., Philosophy, Magna Cum Laude	Fall 1999 – Spring 2003
APPOINTMENTS —	
Associate Professor Seattle University	Summer 2014 – present
Mathematics Department Chair Seattle University	Summer 2014 – Summer 2017
Assistant Professor Seattle University	Summer 2009 – Spring 2014
Research Experiences for Undergraduates Ment University of Washington, Math REU	Summers 2010, 2011, 2012
Research Experiences for Undergraduates Ment Williams College, SMALL REU	tor Summer 2009
Assistant Professor Oberlin College	Fall 2008 – Spring 2009
Instructor Bellevue Community College	Winter $2001 - Spring 2003$
TEACHING EXPERIENCE —	
Seattle University UCOR 1200 / MATH 107 — Quantitative Literate Fall 2010, Winter 2011, Spring 2013, Fall 201 Fall 2016, Winter 2019	
MATH 1000 / MATH 110 — Functions and Alge	braic Methods
Fall 2012	
MATH 1022 / MATH 1322 / MATH 121 — Prec Fall 2015 (2 sections)	alculus: Trigonometry
MATH 1331 / MATH 132 / MATH 191 — Calcu Fall 2012, Fall 2013	lus with Algebra I (a)
MATH 1332 / MATH 133 / MATH 191 — Calcu	lus with Algebra I (b)

Winter 2013, Winter 2014

Seattle University (cont.)

MATH 1334 / MATH 134 — Calculus I

Winter 2010 (2 sections), Fall 2010, Spring 2011, Winter 2012 (3 sections)

MATH 1335 / MATH 135 — Calculus II

Fall 2009 (2 sections), Spring 2014

MATH 3000 / MATH 310 — Introduction to Advanced Mathematics

Spring 2010, Spring 2012, Spring 2013

MATH 3910 / MATH 391 — Introduction to Knot Theory

Spring 2016

MATH 3910 / MATH 391 — Knot Theory and Topology

Winter 2011

MATH 4460 / MATH 3910 / MATH 391 — Introduction to Topology

Winter 2013

Oberlin College

MATH 134 — Calculus II

Fall 2008, Spring 2009 (2 sections)

MATH 353 — Topology

Fall 2008

Dartmouth College

MATH 2 — Calculus II

Winter 2006

MATH 3 — Calculus I and II

Fall 2006

Graduate Mini-course on Algebraic Topology

Summer 2007

Bellevue Community College

PHIL 120 — Introduction to Logic for Math, CS, and Engineering Majors
Winter 2001, Spring 2001, Fall 2001, Winter 2002, Spring 2002, Fall 2002, Winter 2003,
Spring 2003

PUBLICATIONS-

Note: The symbol (*) denotes undergraduate coauthors, and (†) denotes graduate student coauthors.

Mathematics Research (Peer reviewed)

- 1. Allison Henrich. "A Sequence of Degree One Vassiliev Invariants for Virtual Knots." *Journal of Knot Theory and Its Ramifications*, Vol. 19, No. 4 (2010), 461–487.
- 2. Allison Henrich and Sam Nelson. "Semiquandles and Flat Virtual Knots." *Pacific Journal of Mathematics*, Vol. 248, No.1 (2010), 155–170.

3. Allison Henrich, Noel MacNaughton*, Sneha Narayan*, Oliver Pechenik* and Jennifer Townsend*. "Classical and Virtual Pseudodiagram Theory and New Bounds on Unknotting Numbers and Genus." *Journal of Knot Theory and Its Ramifications.*, Vol. 20, No. 4 (2011), 625–650.

- 4. Allison Henrich, Noel MacNaughton*, Sneha Narayan*, Oliver Pechenik*, Robert Silversmith* and Jennifer Townsend*. "A Midsummer Knot's Dream." *College Math Journal*, Vol. 42, No. 2 (2011), 126–134.
- 5. Allison Henrich and Inga Johnson. "The Link Smoothing Game." AKCE International Journal of Graphs and Combinatorics, Vol. 9, No. 2 (2012) 145–159.
- 6. Alissa Crans, Allison Henrich, and Sam Nelson. "Polynomial Knot and Link Invariants from the Virtual Biquandle". *Journal of Knot Theory and Its Ramifications*, Vol. 22, No. 4 (2013) 1–15.
- 7. Allison Henrich, Rebecca Hoberg[†], Slavik Jablan, Lee Johnson^{*}, Elizabeth Minten^{*}, and Ljiljana Radović. "The Theory of Pseudoknots." *Journal of Knot Theory and Its Ramifications*, Vol. 22, No. 7 (2013) 1–21.
- 8. Allison Henrich and Louis Kauffman. "Unknotting Unknots." American Mathematical Monthly, Vol. 121, No. 5 (2014) 379–390.
- 9. Allison Henrich and Slavik Jablan. "On the Coloring of Pseudoknots." *Journal of Knot Theory and Its Ramifications*, Vol. 23, No. 12 (2014).
- 10. Tomas Boothby[†], Alexander Leaf*, and Allison Henrich. "Minimal Diagrams of Free Knots." Journal of Knot Theory and Its Ramifications, Vol. 23, No. 6 (2014).
- 11. François Dorais, Allison Henrich, Slavik Jablan, and Inga Johnson. "Isotopy and Homotopy Invariants of Classical and Virtual Pseudoknots." Osaka Journal of Mathematics., Vol. 52, No. 2 (2015).
- 12. Allison Henrich, Slavik Jablan, and Inga Johnson. "The Signed Weighted Resolution Set is Not a Complete Pseudoknot Invariant." *Journal of Knot Theory and Its Ramifications*, Vol. 25, No. 9 (2016).
- 13. Allison Henrich and Louis Kauffman. "Tangle Insertion Invariants for Pseudoknots, Singular Knots, and Rigid Vertex Spatial Graphs." in E. Flapan, A. Henrich, A. Kaestner, and S. Nelson (Eds.), Knot Theoretic Structures & Spatial Graphs, American Mathematical Society, Providence, RI, (2017).
- 14. Sarah Brown*, Franky Cabrera*, Riley Evans*, Gianni Gibbs*, Allison Henrich, and James Kreinbihl[†]. "The Region Unknotting Game." *Mathematics Magazine*, Vol. 90, No. 5 (2017).
- 15. Jason Cantarella, Allison Henrich, Elsa Magness*, Oliver O'Keefe*, Kayla Perez*, Eric Rawdon, and Briana Zimmer*. "Knot fertility and lineage." *Journal of Knot Theory and Its Ramifications*, Vol. 26, No. 13 (2017).
- 16. Colin Adams, Allison Henrich, Kate Kearney, and Nicholas Scoville. "Knots Related by Knotoids." accepted for publication by the American Mathematical Monthly, (2018).

Education Research & Writing (Peer reviewed)

1. Allison Henrich and Kristi Lee. "Reducing Math Anxiety: Findings from Incorporating Service Learning into a Quantitative Reasoning Course at Seattle University." *Numeracy*, Vol. 4, No. 2, (2011).

2. John Carter, Dylan Helliwell, Allison Henrich, Maria Principe*, and J. McLean Sloughter. "Oral Assessments: Improving Student Success in Calculus at Seattle University." *PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies*, Vol. 26, No. 2, DOI:10.1080/10511970.2015.1067264, (2015) 105–124.

- 3. Allison Henrich, J. McLean Sloughter, Jeffrey Anderson, and Eric Bahuaud. "Addressing negative math attitudes with service-learning." *PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies*, Vol. 26, No. 8, DOI:10.1080/10511970.2016.1174967, (2016) 788–802.
- 4. Michael Dorff, Allison Henrich, and Lara Pudwell. "Successfully Mentoring Undergraduates in Research: A How To Guide for Mathematicians." *PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies* Vol. 27, No. 3, DOI:10.1080/10511970.2016.1183248, (2017) 320–336.

Articles

- 1. Moshe Cohen and Allison Henrich. "A Knot Game with not KNerds." *Math Horizons*, November 2012, 25–29.
- 2. Allison Henrich and Jeffrey Anderson. "Service-Learning in a Quantitative Reasoning Course." Peer Review: A Journal of the Association of American Colleges & Universities, 2014.
- 3. Allison Henrich. "Visions of Mathematics." Introduction to artist's book Dreams of Pythagorus by Michael Schultheis, 2014.
- 4. Allison Henrich. "I am so glad you made that mistake!" AMS Blog On Teaching and Learning Mathematics, 2017.
 - 5. Allison Henrich. "The Power of Bravery" MAA FOCUS, June/July 2018, 16–17.

Books

- 1. Inga Johnson and Allison Henrich. An Interactive Introduction to Knot Theory, Dover Publications, Inc., Mineola, NY, 2017.
- 2. Michael Dorff, Allison Henrich, and Lara Pudwell. A Mathematician's Practical Guide to Mentoring Undergraduate Research, to be published jointly by the Mathematical Association of America, the American Mathematical Society, and the Council on Undergraduate Research, 2019.

Edited Books

- 1. Eds. Erica Flapan, Allison Henrich, Aaron Kaestner, and Sam Nelson. *Knots, Links, Spatial Graphs, and Algebraic Invariants*, American Mathematical Society, Providence, RI, 2017.
- 2. Eds. Colin Adams, Erica Flapan, Allison Henrich, Louis Kauffman, Lew Ludwig, and Sam Nelson. A Concise Encyclopedia of Knot Theory, to be published by Taylor & Francis, 2019.
- 3. Eds. Allison Henrich, Emille Lawrence, Matthew Pons, and Dave Taylor. *The Struggle is Real: Stories of Struggle and Resilience on the Path to Becoming a Mathematician*, (tentatively) to be published by MAA publishing, 2019.

Educational Products

1. Developed online training course, Course 9: Writing About Research, as a part of the training program, Research as a Transferrable Skill, for undergraduate researchers in all disciplines. Published by Epigeum, a division of Oxford University Press, 2018.

EXTERNAL GRANTS FUNDED -

Seattle University Mathematics Early Research Program NSF DMS Grant #1460537 Awarded \$279,997 by the National Science Foundation Division of Mathematical Sciences with co-PI Steve Klee for 2015-2017 to run a summer research program for undergraduates for three summers.

Simons Collaboration Grant Awarded \$35,000 by the Simons Foundation, to be used between Fall 2016 and Summer 2021 to fund travel and other expenditures related to collaboration.

Association of Women in Mathematics Travel Grant

Awarded \$975 for travel to AMS sectional meeting in Lawrence, KS in 2012.

HONORS AND AWARDS -

Henry L. Alder Award for Distinguished Teaching (2015)

Awarded by the Mathematical Association of America annually to no more than three beginning college or university faculty whose teaching has been extraordinarily successful and whose effectiveness in teaching undergraduate mathematics is shown to have influence beyond their own classrooms.

Paul R. Halmos – Lester R. Ford Award (2015)

Awarded by the Mathematical Association of America to recognize authors of articles of expository excellence published in *The American Mathematical Monthly*.

Seattle University Summer Faculty Fellowship (2013)

Awarded \$7500 for conducting knot theory research in the summer.

Seattle University Summer Research Faculty Stipend (2011)

Awarded \$7500 for mentoring undergraduate researchers.

Filene Graduate Teaching Award (2008)

Awarded to two Dartmouth College graduate students each year for excellence in teaching.

Arts and Sciences Graduate Community Award (2008)

Awarded to two Dartmouth College graduate students each year for outstanding community service on behalf of the Arts and Sciences Dartmouth graduate community.

Phi Beta Kappa (2003)

RECENT PRESENTATIONS -

Its All Fun and Games Until Someone Becomes a Mathematician

March 23, 2018

MAA Tri-section Meeting, Valparaiso University, Plenary Talk

March 19, 2018

University of Washington Math Day, Invited Talk

February 14, 2018

Pacific Lutheran University, Mathematics Colloquium

November 11, 2017

University of Dayton Undergraduate Math Day, Plenary Talk

Its All Fun and Games Until Someone Becomes a Mathematician (cont.)

November 7, 2017

University of Washington Tacoma, Invited Talk

October 14, 2017

Northwest Undergraduate Mathematics Symposium, Western Washington University, Plenary Talk

September 21, 2017

Harvey Mudd College, Michael E. Moody Lecture

A Knotty Exploration of Magic and Math

March 28, 2018

Central Washington University, Mount Stuart Mathematics Seminar Talk & Workshop

February 28, 2018

Elon University, Pi Mu Epsilon Invited Talk & Workshop

February 27, 2018

Davidson College, Invited Talk & Workshop

An Intransitive Relation on Knots

November 4, 2017

AMS Sectional Meeting, Riverside, CA, Invited Talk

September 19, 2017

Claremont Colleges Topology Seminar, Invited Talk

Teaching An Interactive Introduction to Knot Theory

July 29, 2017

MathFest, Chicago, IL, Contributed Talk

Daily Student Presentations in Quantitative Reasoning and Calculus

June 17, 2017

Pacific Northwest MAA Sectional Meeting, Gonzaga University, Contributed Talk

January 11, 2015

Joint Mathematics Meetings, San Antonio, TX, Contributed Talk

Knot Fertility and Heredity

March 11, 2017

AMS Sectional Meeting, Charleston, SC, Invited Talk

January 5, 2017

Joint Mathematics Meetings, Atlanta, GA, Invited Talk

Knotty Games

November 10, 2016

Brigham Young University, Focus on Math Invited Talk

April 1, 2016

University of Central Arkansas, OK-AR MAA Section Meeting, Court Lecture

Knotty Games (cont.)

February 11, 2016

Seattle University, Colloquium Talk

This is Knot a Trick!

August 5, 2016

MathFest, Columbus, OH, Invited Talk

Unknotting Knots

August 4, 2016

MathFest, Columbus, OH, Invited Talk

Knotty Games & Unknotting Operations

August 2, 2016

UnKnot Conference, Denison University, Invited Talk

Be Inspirable

August 7, 2015

Mathfest, Washington D.C., Alder Award Recipient Invited Address

The Story of Pseudodiagrams and Knot Games

July 9, 2015

University of Washington Bothell REU, Invited Talk

May 12, 2011

Western Washington University, Colloquium Talk

April 27, 2011

Pacific Lutheran University, Colloquium Talk

March 22, 2011

Claremont McKenna College, Invited Seminar Talk

June 28, 2010

University of Washington, Invited Math Club Talk

February 8, 2010

Willamette University, Colloquium Talk

November 18, 2009

Seattle University, Colloquium Talk

Invariants of Pseudoknots: A Mathematical Autobiography

April 25, 2015

Cascade Topology Seminar, Victoria, BC, Invited Talk

Invariants of Pseudoknots

November 8, 2014

AMS Sectional Meeting, Greensboro, NC, Invited Talk

A Tale of Knots & Games

July 24, 2014

USA/Canada Mathcamp, Portland, OR, Colloquium Talk

April 27, 2014

University of Washington, Monthly Math Hour, Invited Talk

November 7, 2011

University of South Alabama, Math Circle, Invited Talk

What is a Pseudoknot?

April 4, 2014

UC Fresno, Colloquium Talk

Pseudoknots, Classical and Virtual

November 2, 2013

AMS Sectional Meeting, Riverside, CA, Contributed Talk

Oral Reviews in Calculus: Improving Student Understanding

April 13, 2013

MAA Sectional Meeting, Salem, OR, Contributed Talk

August 3, 2012

Mathfest, Madison, WI, Contributed Talk

Flipping Classes (or How We Can Encourage Students to Come to Class Prepared)

April 12, 2013

MAA Sectional Meeting, Salem, OR, Invited Talk

On the Discovery of Pseudoknots

March 7, 2013

Dartmouth College, Colloquium Talk

SERVICE -

Service to the Mathematics Community

Associate Editor-Elect of the College Mathematics Journal

Spring 2018 – present

Elected to serve a four-year term on the editorial board of the MAA publication.

Associate Editor of PRIMUS

Fall 2015 – present

Serving on the editorial board for an indefinite period of time.

Associate Editor of the Journal of Knot Theory and its Ramifications Serving on the editorial board for an indefinite period of time.

Winter 2015 – present

Associate Editor of Mathematics Magazine

Summer 2014 – present

Serving a four-year term on the editorial board of the MAA publication.

Councilor for the Council on Undergraduate Research

Currently serving a second three-year term as councilor and the Secretary of the Division of

Mathematics and Computer Science in the national CUR organization. Also representing the
division on the Diversity & Inclusion Task Force.

Referee and Reviewer

Fall 2010 – present

Have served as referee/reviewer for MathSciNet, the NSA Mathematical Sciences Grant Program, the NSF Division of Mathematical Sciences, Journal of Knot Theory and Its Ramifications, Journal of the Mathematical Society of Japan, Fundamenta Mathematicae, International Journal of Mathematics, Topology and Its Applications, Discrete Mathematics, Communications in Contemporary Mathematics, Experimental Mathematics, Mathematics Magazine, American Mathematical Monthly, College Mathematics Journal, Numeracy, PRIMUS, Involve, and MCURCSM as well as various books, book chapters, and book proposals.

MAA Committee on the Alder Award

Fall 2017 – present

Serving a four year term on this MAA committee to determine Alder Award winners.

2018 PNW MAA Workshop Presenter

Presented in a math faculty training on how to be an undergraduate research mentor as a part of the Pacific Northwest MAA Sectional Meeting at Seattle University.

2018 MAA Trisection Meeting Panelist March 2018 Contributed to panel: "Encounters in Experiential Learning" at the MAA Trisection meeting in Valparaiso, IN.

2018 PNW MAA Section Meeting Planning Committee Fall 2015 – Summer 2017 Served on the planning committee for the MAA PNW Section Meeting to be hosted at Seattle U. in Spring 2018. Secured funding, invited plenary speakers, and corresponded with section leadership.

2018 AMS Special Session Organizer Spring 2017 – Spring 2018 Co-organized a special session entitled "Special Session on Algebraic and Combinatorial Structures in Knot Theory" for the 2018 AMS Spring Western Section Meeting in Portland, OR.

2018 JMM Special Session Organizer Winter 2017 – Winter 2018 Co-organized a special session entitled "Open & Accessible Problems for Undergraduate Research" for the 2018 Joint Mathematics Meetings in San Diego, CA.

2017 MathFest Project NExT Panelist
Contributed to panel: "Strategies to prepare for classes before the semester starts" at MathFest in Chicago, IL.

2017 JMM Project NExT Panelist

Contributed to panel: "The Research and Teaching Pendulum: Finding a Stable Equilibrium" at the Joint Mathematics Meetings in Atlanta, GA.

2017 JMM Joint Committee on Women Panelist
Contributed to panel: "From Calculus to a Bachelor's Degree: Encouraging and Developing
Undergraduate Math Majors" at the Joint Mathematics Meetings in Atlanta, GA.

2017 AMS Special Session Organizer Summer 2016 – Spring 2017 Co-organized a special session entitled "Combinatorial and Algebraic Structures in Knot Theory" for the 2017 AMS Spring Western Sectional Meeting in Pullman, WA.

2017 JMM Special Session Organizer Winter 2016 – Winter 2017 Co-organized a special session entitled "Open & Accessible Problems for Undergraduate Research" for the 2017 Joint Mathematics Meetings in Atlanta, GA.

Fall 2016 Cascade Topology Seminar Guest Organizer Fall 2015 – Fall 2016 Organized the Fall 2016 Cascade Topology Seminar, held at Seattle University on November 19-20, 2017. Invited speakers, publicized event, and handled all local arrangements.

MAA Social Media Task Force Member Winter 2016 – Spring 2016 Served as a member of the MAA Social Media Task Force to help determine the future direction of MAA's engagement with social media.

Dissertation Committee Member

Spring 2016

Served as the external PhD dissertation committee member for Nic Petit at Dartmouth College.

2016 JMM Special Session Organizer

Winter 2015 – Winter 2016

Co-organized a special session entitled "Knots in Washington (State)" for the 2016 Joint Mathematics Meetings in Seattle, WA.

2015 AMS Special Session Organizer

Winter 2015 – Fall 2015

Co-organized a special session entitled "Algebraic and Combinatorial Structures in Knot Theory" for the 2015 AMS Fall Western Sectional Meeting in Fullerton, CA.

Visiting Mathematician at Canada/USA Mathcamp

Summer 2014

Served as a scholar-in-residence for one week for a camp for gifted high school students from the US and Canada. Co-taught a minicourse, and gave colloquium talk.

PNW MAA Executive Committee

Spring 2013 – Spring 2014

Served as Pacific Northwest section liaison to the Mathematical Association of America.

2013 AMS Special Session Organizer

Winter 2013 – Fall 2013

Co-organized a special session entitled "Algebraic Structures in Knot Theory" for the 2013 AMS Fall Western Sectional Meeting in Riverside, CA.

2013 AMS Special Session Organizer

 $Fall\ 2012-Fall\ 2013$

Co-organized a special session entitled "Algebraic and Combinatorial Invariants of Knots" for the 2013 AMS Fall Central Sectional Meeting in St. Louis, MO.

MAA Sectional Meeting Organizer

April 2010

Organized panel discussions on undergraduate research and outreach programs. Member of Seattle University faculty organizational committee.

2009 Mathfest Project NExT Session Organizer

August 2009

Organized panel discussion on math outreach and service-learning.

Service to Seattle University and the College of Science & Engineering

Peer Teaching Reviewer

Spring 2014 – Summer 2017

Conducted nine formal peer teaching reviews for faculty members both within and outside of my department.

Faculty Learning Community Facilitator

Fall 2016 – Winter 2017

Facilitated a faculty learning community on Paul Silvia's book "How to Write a Lot" for the Center for Faculty Development.

Panelist on Undergraduate Research Panel

Fall 2016

Panelist on panel devoted to the topic of undergraduate research for the Center for Faculty Development.

 $S \,\, \& \,\, E \,\, Grant \,\, Accounting \,\, Technician \,\, Hiring \,\, Committee$

Spring 2016

Served on a 3-person committee to hire our college's new Grant Accounting Technician.

Learning Assistance Programs Learning Strategy Workshops Spring 2012 – Winter 2016 Helped to develop and facilitate workshop entitled "How to study for and succeed in a math class." Facilitated workshop 1-2 times each year.

Panelist on Consortium of Interdisciplinary Scholars Panel

Spring 2015

Panelist for "STEM + ART = STEAM: What might the sum look like at SU?"

New Chair and Director Institute Planning Committee Winter 2015 – Spring 2015 Served on the planning committee for the second NCDI, a workshop that serves to prepare new chairs and directors at SU.

Career Initiative Steering Committee

Spring 2013 – Summer 2013

Served as a member of a university committee to design a proposal to improve job readiness and placement for SU graduates.

Speaker for Dean's Alumni Event

Spring 2013

Spoke about innovations in math education at the event "Seattle University Conversations: Current Directions in STEM Education."

Core Revision Workshops and Course Proposals

Fall 2010 - Spring 2012

Participant in several workshops and focus groups to redesign the Core curriculum. Submitted several Core course proposals on behalf of the Math Department.

SU Delegate for Western Conversations in Jesuit Higher Education

Fall 2011

Member of a ten-person delegation representing SU at the conference.

Seattle University Academic Assembly

Fall 2010 - Spring 2011

Representative of the College of Science and Engineering. Served on Bylaws Revision Committee.

Expanding Your Horizons Presenter

Spring 2011

Gave a presentation with Dr. Robertson on plane tilings to groups of adolescent girls at the Seattle University EYH workshop.

Math and Science in the Core Workshops

Fall 2010

Participant in workshop to determine the role of math and science in the Core curriculum.

Learning Outcomes Workshops

Participant in several workshops to help develop SU's new undergraduate learning outcomes.

Service to the Seattle University Mathematics Department

Chair of the Mathematics Department

Summer 2014 – Spring 2017

Served a three-year term as chair with countless responsibilities.

Undergraduate Research Advisor

Fall 2010 — Spring 2017

Advised several undergraduate research projects for 12 SU students.

Student Academic Advisor

Fall 2010 – Spring 2017

Advisor to Seattle University undergraduate math majors.

SMART Fridays

Winter 2016 - Spring 2017

Launched and co-organized monthly event that serves as a forum for students to present their undergraduate research in math, applied math, or statistics.

Math Department Bylaws Committee

Spring 2016 - Spring 2017

Serving as chair of a committee to develop department bylaws.

Math Department Assessment Committee

Fall 2014 – Spring 2017

Serving on a three-person departmental committee to assess our department's curriculum.

experience for all math majors.

Winter 2015 – Winter 2016

Math Department Senior Synthesis Redesign Committee Served on a three-person departmental committee to dramatically redesign the senior synthesis

Math Department Struggling Student Committee

Fall 2014 – Spring 2015

Served on departmental committee to improve student success in upper-division courses.

Math Department Undergraduate Research Committee Fall 2012 – Summer 2014 Served on departmental committee to obtain financial support for undergraduate research. Successfully obtained REU grant from the NSF.

Math Lecturer Hiring Committee

Spring 2014

Served on committee to hire two full-time sabbatical replacement lecturers for the SU Mathematics Department. Over 200 applications were received.

Math Instructor Hiring Committee

Spring 2013

Served on committee to hire two instructors for the SU Mathematics Department. Over 300 applications were received.

Math Department Teas

Winter 2010 - Spring 2012

Organized department teas for undergrads and faculty to promote department community.

Seattle University Math Club Advisor

Fall 2009 – Spring 2011, Fall 2013

Secondary advisor to the SU Math Club, helped to organize leadership and events.

Math Department Actuary Committee

Winter 2010

Member of Math Department subcommittee to research new program in Actuarial Sciences.

PROFESSIONAL DEVELOPMENT

- Regular attendee of workshops hosted by SU's Center for Faculty Development
- Attended PIC Math Data Analytics Workshop at Brigham Young University, May/June 2017
- Hosted and attended a 2-day workshop on Inquiry-Based Learning at SU, February 2015
- Seattle University Academic Service Learning Research Faculty Fellow 2013-14
- Attended the week-long MAA PREP Workshop on Inquiry-Based Learning, Summer 2013
- Participant in Nicaragua Immersion Trip, Summer 2012
- Seattle University Academic Service Learning Faculty Fellow 2010-11
- Fellow of the MAA's Project NExT professional development group, Red08 Dot
- Member of the Pacific Northwest section of Project NExT

PROFESSIONAL AFFILIATIONS -

Council on Undergraduate Research (CUR) Mathematical Association of America (MAA) American Mathematical Society (AMS) Association for Women in Mathematics (AWM)