

Nicole A. Hoover

*University of Washington Bothell
18115 Campus Way NE
Box 358538*

Phone: (206) 403-7065, E-mail: nhoover@uw.edu

Education

1999-2001	Master of Arts in Mathematics, University of California at Davis
1997-1998	Bachelor of Arts in Mathematics, San Jose State University, San Jose, CA (Magna Cum Laude)
1996	San Jose City College, San Jose, CA
1994-1996	Santa Rosa Junior College, Santa Rosa, CA

Employment

University of Washington Bothell, Associate Teaching Professor, September 2023 – present. Assistant Teaching Professor (formerly Lecturer, title change in 2020), September 2015 – present

University of Washington Bothell, Part-time Lecturer, March 2012 – August 2015

Carnegie Foundation for the Advancement of Teaching, Quantway Curriculum Design and Development, June 2012 – August 2014

University of Washington Bothell, Director of Quantitative Skills Center (QSC), August 2006 – April 2009

University of California at Davis, Lecturer, September 2005 – July 2006

University of New Orleans, Lecturer, August 2003 – December 2005

Cosumnes River College, Adjunct Faculty Member, October 2002 - May 2003

University of California at Davis, Associate Instructor, June 2000 - June 2001

University of California at Davis, Teaching Assistant, September 1999 - June 2001

Professional Development

Faculty Fellow in Evidence-Based Teaching Program, Autumn 2022-Spring 2024. Accepted by the Center for Teaching and Learning at UW Seattle to participate in the 2-year long fellowship where instructors design and implement a research project to increase student retention and success. The focus of this fellowship centers around group work.

PKAL STEM Leadership Institute, July 2021. Accepted by the Association of American Colleges and Universities to participate in the week-long leadership institute where we

worked with a cohort and mentors learning about leadership frameworks and strategies for making systemic changes in higher education settings.

Technology Teaching Fellow, Spring 2021. Accepted by the Center for Teaching and Learning at UW Seattle to redesign the Precalculus 2 course at the Technology Teaching Fellows Institute.

Fundamentals of POGIL Virtual Workshop, Summer 2020. Learned about the fundamentals of POGIL (Process Oriented Guided Inquiry Learning), and how to incorporate these activities into the classroom.

POGIL Activity Writing Virtual Workshop, Summer 2020. This writing workshop took what we learned in the fundamentals workshop and we went through the process of writing a POGIL activity to use in class.

Learning Communities, 2018 – 2020. Participated in various teaching circles with faculty and staff from various programs and schools at UWB. One teaching circle centered around the topic of productive struggle, and the other on peer education.

Remote Teaching 101 Course, 2020. This course was offered by Learning Technologies and helped faculty learn about remote learning tools and best practices for online teaching.

Community Based Learning and Research Fellow, 2007 – 2008. Developed a community based learning course for Math Education students who would visit non-mathematics classes in middle schools and do quantitative literacy based activities with the students, within the context of the course they were taking.

Teaching Experience

University of Washington Bothell, as a Part-Time Lecturer, Assistant Teaching Professor, and Associate Teaching Professor, taught seven sections of Quantway, seven sections of Precalculus 1, thirty-six sections of Precalculus 2 (including the redesigned hybrid version), three sections of Business Calculus, fourteen sections of Calculus 1 (differential calculus), developed and taught one section of Calculus 1 Stretch 1 and one section of Calculus 1 Stretch 2 (two-quarter Calculus 1 class), thirteen sections of Calculus 2 (integral calculus), eight sections of Calculus 3 (sequences, series, and calculus of curves), nine sections of Calculus 4 (multivariable calculus), and one section of Women in STEM.

University of Washington Bothell, as the Director of the Quantitative Skills Center, taught Precalculus 2, Calculus 1 (differential calculus), Linear Algebra for CSS majors, algebra refresher workshops, statistics refresher workshops, and Excel workshops.

University of California at Davis, as a lecturer, taught single and multivariable calculus courses. Developed and taught a directed group study course to accompany the calculus series.

University of New Orleans, taught Precalculus Algebra, Precalculus Trigonometry, Differential Calculus, Integral Calculus, Multivariable Calculus, and Elementary Differential Equations.

Cosumnes River College. Taught developmental math course on fractions, developmental math course on decimals, and college algebra.

Service

Member of the Tri-Campus E-Textbook Working Group, Winter 2024. Learned about the ADA requirements and made recommendations on faculty needs regarding support for making E-Textbooks accessible.

Member of the School of STEAM Dean Search Committee, January 2024-November 2024.

Member of the Merit Review Committee for Assistant Teaching Professors in E&M, Winter 2024.

STARS Program Development, Summer 2023-present. The UWB State Academic RedShirt (STARS) program seeks to increase the number of diverse pre-major students who access and graduate with computer science and engineering degrees. STARS is designed to holistically support students through a co-requisite structure consisting of calculus and introductory programming, additional academic support, summer bridge programs, and removal of admissions barriers.

Chair of Stretch Calculus Working Group, Winter 2023-Spring 2024. This group has been developing a two-quarter Calculus 1 course which will include Precalculus support topics integrated into the curriculum.

Reviewed proposals for the 2023 AAC&U Transforming STEM Higher Education Conference, Summer 2023

Co-Lead of Peer Facilitator Faculty Fellows, Autumn 2022-present. This group supports faculty in learning about best practices using peer facilitators (PFs), identifying how to use PFs in the classroom, and implementing these plans.

Directed Self-Placement Working Group, Autumn 2022-present. Investigating and evaluating the effectiveness and success of the current DSP process.

Chair of Engineering and Mathematics (E&M) Diversity, Equity, and Inclusion Committee, Winter 2021 – Spring 2022. Discussing DEI issues relating specifically to students and faculty in the E&M division. Tasked with addressing recruitment and retention of students from groups historically underrepresented in our majors due to systemic racism, misogyny, and other forms of bias.

Precalculus Support Course Coordinator, 2019 – 2021. Hiring, training, and supervising peer facilitators to run the support course for Precalculus 2. Creating course content students are required to take a 1-credit support course.

Precalculus 2 Coordinator, 2017 – present. Facilitating regular meetings/communication aimed at keeping all sections coordinated with each other to ensure the support course was meeting the student needs. Coordination of weekly quizzes.

Mathematics Directed Self Placement, Autumn 2019 – Winter 2020. Developed and implemented a process intended to give students agency in their math placement by giving them an opportunity for self-assessment and reflection.

Faculty Council on Benefits and Retirement, Autumn 2017 – Spring 2020. Tri-campus council addressed issues and policies related to benefits and retirement.

Petition Committee for Mathematics, Autumn 2017 – Summer 2020. Reviewing student petitions and making course equivalency decisions.

EAB/Navigate Faculty Working Group, 2019 – 2021. Piloting, giving feedback on, and educating colleagues on the Navigate alert system. This system is intended to streamline and connect student support in order to better serve students and allow for easier follow-through.

STEM Council on Diversity, Equity, and Inclusion, Winter 2019 – Autumn 2022. Addressing diversity, equity, and inclusion within the context of promotion and tenure, use of student evaluations, and determining professional development needs for faculty.

Academic Oversight Council, Autumn 2019 – June 2025. Council oversees the pre-major program, including reviewing and selecting applications for Discovery Core courses, reviewing and advising on reappointment of faculty teaching in pre-major courses, and reviewing and advising on policies in the pre-major program.

Academic Oversight Council Petition Committee, Winter 2020. Reviewing and making decisions on course equivalencies and reinstatement for pre-major students.

Academic Oversight Council Discovery Core Diversity Designation Committee, Winter 2022-present. Reviewed course proposals for Discovery Courses intending to satisfy the Diversity designation.

Academic Oversight Council Merit Review Committee for Part-Time faculty in FYPP, Spring 2021. Reviewed merit packets and wrote recommendations.

Chair of QSC Manager Search Committee, Spring 2018. We had a failed search in the winter of 2018, and a successful search in the spring of 2018.

Precalculus Committee, 2017 – 2018. Discussed the current structure of the precalculus sequence and the possible restructure and selection of new textbooks.

Faculty Admissions Member for Academic Transition Program (ATP), 2017 – 2018. Reviewed around 200 student applications for admission to UWB through the ATP, discussed each application with a faculty partner, and gave recommendations based on the discussions.

Women in Math Group, 2018. Discussed how to recruit and retain underrepresented students in STEM. Initially the focus was on women.

Quantway Facilitator for UWB, 2017-2018. Acted as the liaison between Carnegie and the Quantway instructors at UWB.

Social Justice Curriculum Group, 2017. Carnegie Math Pathways created the SJCG to develop Pathways lessons that illustrate the power of math in creating a more equitable society. The social justice lessons were aimed at both engaging students in relevant contexts and empowering them to critically examine social justice issues.

Management of Math Assessment Test, Autumn 2006 – Spring 2009. Managed the revisions, implementation, grading, and student advising for students placing into mathematics courses at UWB.

User Needs Committee, 2006 – 2008. Coordinated and implemented focus groups for the campus library. Analyzed and presented the qualitative data collected.

Academic Services Advisory Group, 2006 – 2009. Heads of our academic support departments (included the Library, Writing Center, Quantitative Skills Center, Information Technologies, and the Media Center) made policy decisions, and collaborated on supporting faculty and students.

Academic Services Hourly Training Committee, 2006 – 2009. Trained new hourly employees working in Academic Services, collaborated on the development of the Safety Quiz using clickers, and analyzed evaluations and presented them to the Academic Services Advisory Group.

Chair of Writing Center Director Search Committee, Winter/Spring 2007.

Information Services Client Services Search Committee, Autumn 2007.

Chaired Search for QSC Coordinator/Manager, Winter 2007 and Autumn 2008.

Precalculus Trigonometry Course Coordinator, Autumn 2003 – Autumn 2005. Facilitated regular meetings with faculty teaching the course, coordinated the textbook selection effort, developed the departmental syllabus, wrote the departmental final exam, and gave grading assignments for the departmental final exam.

Graduate Student Mentor, Autumn 2003 – Autumn 2005. Mentored graduate students who were teaching their own classes, held regular meetings to discuss progress and answer questions, and did classroom observations and gave feedback.

Grade Appeal Committee, Autumn 2003 – Autumn 2005. Reviewed and made recommendations on student grade appeals.

Book Review for Thompson Brooks/Cole, Autumn 2005. Wrote a review of Goodman and Hirsch's Precalculus textbook.

Conference Presentations

Co-hosted a contributed paper session "Equity Minded Placement Practices and Strategies in Undergraduate Mathematics". MathFest, August 2025

Presented "Empowering Students Through Choice: A Look at Directed Self-Placement in Mathematics". MathFest, July 2025.

Presented “Stretch Calculus: A Way to Increase Student Completion of Calculus 1”. Mathematical Association of America PNW meeting, April 2025.

Co-hosted a contributed paper session “Rethinking Mathematics Placement”. MathFest, August 2021.

Presented “The Development of a Mathematics Directed Self-Placement (DSP) Process: Lessons Learned and Challenges Presented”. MathFest, July 2021.

Panelist in “The Role of Quantitative Literacy Centers in Supporting Students and Faculty”. MathFest, July 2008.

“Including Faculty and Tutors in Math Placement” Joint Mathematics Meetings. January 2008.

Led workshop on Problem Based Learning at the UW Tacoma Summer Faculty Institute. September 2007.

“Aligning Mathematics Placement with Curricular Goals for Quantitative Literacy” Pacific Northwest Higher Education Teaching and Learning Conference. May 2007.

“Supporting Students Learning Interdisciplinary Mathematics” Pacific Northwest Section of the Mathematical Association of America. April 2007.

References

David Goldstein, UW Bothell, dgoldstein@uw.edu, tel: 425.352.5378

Cinnamon Hillyard, UW Bothell, chillyard@uw.edu, tel: 425.352.3169

Robin Angotti, UW Bothell, rangotti@uw.edu, tel: 425.352.3605