Jennifer McLoud-Mann

Curriculum Vitae

Education

2002 **Ph.D. in Mathematics**, *University of Arkansas*, Fayetteville.
Specialized in Commutative Algebra
On a certain family of determinantal-like ideals
Under the guidance of Professor Mark R. Johnson

1998 **M.S. in Mathematics**, *University of Arkansas*, Fayetteville.

1997 **B.S. in Mathematics**, *East Central University*, Ada, OK.

Experience

Professorial

2016–Present **Professor**, University of Washington Bothell, Bothell, WA.

2013–2016 **Associate Professor**, University of Washington Bothell, Bothell, WA.

2007-2013 **Associate Professor**, University of Texas at Tyler, Tyler, TX.

2002-2007 **Assistant Professor**, University of Texas at Tyler, Tyler, TX.

Administrative

2009-2013 **Associate Dean of the College of Arts & Sciences**,
University of Texas at Tyler, Tyler, TX.

2010 **Interim Chair of History**, University of Texas at Tyler, Tyler, TX.

Awards

2016 Distinguished Research, Scholarship, and Creative Activity Award
University of Washington Bothell
One UW Bothell faculty is recognized each year.

2009 Henry L. Alder Award for Distinguished Teaching
Mathematical Association of America (MAA)
Up to three beginning mathematics faculty are recognized nationally each year.

2008 Faculty Award for Outstanding Contributions to Students
MAA Texas Section
One faculty member in Texas section is recognized each year.

2005 White Fellowship for Teaching
University of Texas at Tyler
Up to two UT Tyler faculty are recognized each year.

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Professional Memberships

Mathematical Association of America

Association of Women in Mathematics

Program Participation to Enhance Leadership

2010 **Council of College of Arts & Sciences Annual Meeting**, *networking arts & sciences deans*, New Orleans.

2011 **Council of College of Arts & Sciences Annual Meeting**, *networking arts & sciences deans*, Montreal.

2015-16 **Journey of Not Knowing**, *A Transformational Leadership Program*,
I had the opportunity to participate in a womens' leadership series of workshop as well as personal coaching to enhance my leadership skills over a six-month period. A 360° assessment of my leadership skills was done by my direct reports, peers, and managers during this process..

RESEARCH

Research Award

2016 **Distinguished Research, Scholarship, and Creative Activity Award**.
University of Washington Bothell
One UW Bothell faculty is recognized each year.

Peer-reviewed Publications

2016 C. Mann, J. McLoud-Mann, D. Von Derau*, *Pent Up: Using Pentagons to Tile a Plane*, SIAM News, Vol. 49, No. 2, March 2016

2015 C. Mann, J. McLoud-Mann, D. Von Derau*, *Convex pentagons that admit i-block transitive tilings*, http://arxiv.org/abs/1510.01186

2015 R. Bailey*, H. Chaumont*, M. Dennis*, E. McMahon*, J. McLoud-Mann, S. Melvin*, G. Schuette*, *Simple hexagonal lattice stick numbers*, Involve, Vol. 8, 503-512.

2015 C. Graves, J. McLoud-Mann, K. Stagg, *Extending patches to fullerenes*, Ars Mathematica Contemporanea, 9, 219-232.

2012 C. Mann, J. McLoud-Mann, D. Milan, *Stick numbers in the simple hexagonal lattice*, Journal of Knot Theory and Its Ramifications, Vol. 21, No. 14, 15 pages.

2012 C. Graves, J. McLoud-Mann, *Side lengths of pseudoconvex fullerene patches*, Ars Mathematica Contemoranea, Vol. 5, No. 2, 295-306.

2009 C. Mann, B. McCarty*, J. McLoud-Mann, R. Ranalli, N. Smith, *Minimal knotting numbers*, Journal of Knot Theory and Its Ramifications, Vol. 18, No. 8, 1159-1173.

2008 C. Mann, B. McCarty*, J. McLoud-Mann, R. Ranalli, N. Smith, *Metrics in three-dimensional lattices*, Journal for Geometry and Graphics, Vol. 12, No. 2, 133-140.

2006 M. Johnson, J. McLoud-Mann, *On equations defining Veronese rings*, Archiv der Mathematik, 86, 205-210.

2005 C. Mann, J. McLoud-Mann, *On the relationship between minimal lattice knots and minimal cube knots*, Journal of Knot Theory and Its Ramifications, Vol. 14, No. 7, 841-851.

2005 J. McLoud-Mann, *On a certain family of determinantal-like ideals*, Communications in Algebra, 33, 623-632.

1998 J. Mann, K. Williams, C. Rutledge, *Learning approaches, course experience, and astronomy understanding in the Oklahoma project*, Journal of College Science Teaching, Vol. 27, No. 4, 240-244.

Grants

2015-2017 Research Experience for Undergraduates (REU) at UW Bothell
PI: Jennifer McLoud-Mann
Funding Agency: National Science Foundation (NSF)
Award: DMS 1460699 for $246,941
Description: This grant supports research cohorts of 9 students for 8 weeks per summer to work with 3 faculty mentors on original research projects.

2011-2013 Research Experience for Undergraduates (REU) at UT Tyler
PI: Jennifer McLoud-Mann
Funding Agency: National Science Foundation (NSF)
Award: $213,795
Description: This grant supported research cohorts of 9 students for 8 weeks per summer to work with 3 faculty mentors on original research projects.

2010 & 2011 Texas Undergraduate Mathematics Conference
PI: Jennifer McLoud-Mann
Funding Agency: National Science Foundation (NSF) through the MAA RUMC
Awards: $2000 & $2250
Description: This grant provided monetary support for the Sixth and Seventh Annual Texas Undergraduate Mathematics Conference held on the campus of The University of Texas at Tyler. The main objective of this conference was to give undergraduate students an opportunity to present their research.

2007 & 2008 Sonya Kovalevsky Day Support
SI & PI: Jennifer McLoud-Mann
Funding Agency: National Security Agency (NSA)
Awards: $1400 & $1400
Description: This grant provided monetary support for a Sonya Kovalevsky Day on the UT Tyler campus. On this day we invited local High School ladies to campus for mathematical activities with the ultimate goal being to encourage them to pursue Mathematics and mathematical oriented careers.

2007-2008 Calculus Redesign Project
PI: Jennifer McLoud-Mann
Funding Agency: Texas Higher Education Coordinating Board
UT Tyler Award: $40,000, Subcontract thru UT Telecampus
Description: Three mathematics faculty from UT Tyler, UT Permian Basin, and UT Brownsville worked together to create an online Calculus I course to be offered through UT Telecampus at the individual universities. Collaboration to design the courses began in Spring 2007 and offering were made during both the Fall 2007 and Spring 2008 semesters.

2006-2008 Summer Research Experience for Undergraduates
Co-PI: Jennifer McLoud-Mann
Funding Agency: National Security Agency (NSA)
Award: $49,600
Description: This grant provided funding for three undergraduate students per summer for two years to conduct undergraduate research with UT Tyler investigators.

2005 & 2006 Sonya Kovalevsky Day Support
SI: Jennifer McLoud-Mann
Funding Agency: National Security Agency (NSA)
Awards: $1250 & $1750
Description: This grant provided monetary support for a Sonya Kovalevsky Day on the UT Tyler campus. On this day we invited local High School ladies to campus for mathematical activities with the ultimate goal being to encourage them to pursue Mathematics and mathematical oriented careers.

Conference Organization

2005-2009 Sonya Kovalevsky Days

2009 - 2011 Annual Texas Undergraduate Mathematics Conferences

2011 Arrangements Chair for the annual meeting of the Texas Section of the MAA

Undergraduate Research

2015 **Izaak Berg, Tyler Campbell, Michael Emerick-Cayton, Zonia Menendez**, *Sphere number in lattices*, UW Bothell, presentation at 2016 Undergraduate Poster Session at the Joint Mathematics Meeting.

2014-15 **Izaak Berg**, *Sphere number in the simple hexagonal lattice*, UW Bothell, Presentations at 2015 PNW MAA Sectional meeting and 2015 Undergraduate Research Symposium at UW Bothell.

2014-15 **David Von Dereau**, *n-Block transitive pentagonal tilings*, UW Bothell, Presentations at 2014 Undergraduate Research Symposium in Seattle and 2014 Undergraduate Research Symposium at UW Bothell.

2013 **Ryan Bailey, Melanie Dennis, Elise McMahon**, *Stick numbers in the hexagonal lattice*, UT Tyler, peer-reviewed publication in Involve (see my list) & presentation at 2014 Undergraduate Poster Session at the Joint Mathematics Meeting.

2012 **Colin Guider, Adelina Kaye, Eric Smith**, *Minimal edge number of figure-eight knot*, UT Tyler, presentation at 2013 Undergraduate Poster Session at the Joint Mathematics Meeting.

2011 **Hans Chaumont, Sara Melvin, Geoffrey Schuette**, *Composition of lattice knots*, UT Tyler, peer-reviewed publication in Involve (see my list) & presentations at 2012 Undergraduate Poster Session at the Joint Mathematics Meeting, Nebraska Conference for Undergraduate Women in Mathematics, Texas Undergraduate Mathematics Conference, and MAA Texas sectional meeting.

2010 **Kristen Chockley**, *On the relationship between minimal lattice knots and minimal hexagonal prism knots* , UT Tyler, presentations at 2011 Undergraduate Poster Session at the Joint Mathematics Meeting, LSAMP Undergraduate Student Research Conference, Texas Undergraduate Mathematics Conference, Research Day at the Capitol, and MAA Texas sectional meeting.

2007 **Terrell Fenner**, *Colorings of composite knots*, UT Tyler, presentations at 2008 Undergraduate Poster Session at the Joint Mathematics Meeting, Texas Undergraduate Mathematics Conference, and MAA Texas sectional meeting.

2006 **Shaun Williams**, *n-Colorings of twist knots*, UT Tyler, presentations at 2007 Texas Undergraduate Mathematics Conference and MAA Texas sectional meeting.

2005 **Jenny Tompkins**, *Modeling DNA with knot theory*, UT Tyler, peer-reviewed publication in Rose-Hulman Undergraduate Mathematics Journal Vol. 7 (1) 2006 & presentations at 2006 MAA Texas sectional meeting and LSAMP Undergraduate Student Research Conference.

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2004 **Ben McCarty**, *Minimal lattice knots*, UT Tyler, 2 peer-reviewed publications (see my list) & presentations at 2005 MAA Texas sectional meeting and LSAMP Undergraduate Student Research Conference.

2003 **Scarlet Worthen Ellis and Lesley Wilson**, *Symbolic powers of edge ideals*, UT Tyler, peer-reviewed publication in Rose-Hulman Undergraduate Mathematics Journal Vol. 5 (2) 2004 & presentations at 2004 Nebraska Conference for Undergraduate Women in Mathematics and MAA Texas sectional meeting.

Masters Theses Supervision

2009-2010 **Heather Pierce**, *Some properties of the Jones polynomial*, UT Tyler, presentation at 2010 Texas Undergraduate Mathematics Conference and MAA Texas sectional meeting.

2006-2007 **Jared Painter**, *Primary decomposition of ideals*, UT Tyler.

Presentations

Invited Presentations

2016 *The Search for Convex Pentagons that Tile the Plane: Challenges in Computation and Dissemination*, Special Session on Mathematical Information in the Digital Age of Science, 2016 Joint Mathematics Meeting, presented by Casey Mann

2015 *i-Block Transitive Tilings by Convex Pentagons*, UW-PIMS Mathematics Colloquium at UW Seattle

2015 *Search for Pentagons*, Assumption St. Bridget School

2014 *Playing with Knotty Sticks*, Undergraduate Research Seminar at UW Bothell

2012 *Lattice Knots*, UnKnot Conference

2009 *Using Hands-On Projects to Get Trigonometry Students Out of Their Seats*, STEAM V Conference

2009 *Making a Connection*, Alder Award Session at Mathfest

2009 *Bringing Historic or Current Events in the Classroom*, Texas NExT Workshop at MAA Texas Sectional Meeting

2006 *Engaging Your Student Body Through Activities*, Fall Meeting of Texas NExT

2005 *How Knot Theory and DNA Do the Tangle*, Texas Undergraduate Mathematics Conference

2005 *Rees algebras of powers of ideals*, UT Austin Algebra Seminar

2003 *On a Certain Family of Determinantal-like Ideals*, 987th AMS meeting; Special Session on Commutative Algebra

Other Conference Presentations

2015 *Search for Pentagons*, Inspire STEM Festival at UW Bothell

2015 *i-Block Transitive Tilings by Convex Pentagons*, MAA Pacific Northwest Section meeting

2015 *Convex pentagons that admit i-block transitive tilings*, Special Session on Fractals and Tilings, AMS Central Spring Sectional Meeting, presented by C. Mann

2014 *Extending Patches to Fullerenes*, Joint Mathematics Meeting

2013 *Boundary Conditions of Fullerene Patches*, Joint Mathematics Meeting

2012 *Boundary Conditions of Fullerene Patches*, MAA Texas Sectional Meeting, presented by C. Graves

2012 *Interdisciplinary Lecture Series*, MAA Special Session, Joint Mathematics Meeting

2011 *Stick Numbers in the Simple Hexagonal Lattice*, Joint Mathematics Meeting

2009 *Lessons Learned from a Calculus Redesign Project*, Joint Mathematics Meeting

2008 *Lessons Learned from a Calculus Redesign Project*, MathFest 2008

2007 *Initiating A Sonya Kovalevsky Day*, MAA Texas Sectional Meeting

2007 *Distance in Three-Dimensional Lattices*, AMS Session on Geometry and Topology, Joint AMS-MAA Mathematics Meeting

2007 *Minimal Knotting Numbers*, AMS Session on Geometry and Topology, Joint AMS-MAA Mathematics Meeting, presented by C. Mann

2007 *Initiating A Sonya Kovelevsky Day*, MAA Session on Research and Other Mathematical Experiences for Students Outside of the Classroom, Joint AMS-MAA Mathematics Meeting, presented by R. Ranalli

2005 *On the equations defining Veronese rings of ideals*, Texas Section MAA; Texas NExT Research Session

2005 *Lattice Knots and Cell Knots*, 1004th AMS meeting; Special Session on Knot Theory and Its Applications, presented by C. Mann

2004 *On the relationship between minimal lattice knots and minimal cube knots*, ITV LSAMP Videoconferences, UT Tyler

2004 *On the relationship between minimal lattice knots and minimal cube knots*,Texas Section MAA; Texas NExT Research Session

2003 *On a Certain Variety of Determinantal-like Ideals*, Texas Section MAA; Texas NExT Research Session

Program Participation to Enhance Research

2008 **Project NExT Course "Undergraduate Research - How to Make It Work"** , *MathFest 2008*,
Various aspects of undergraduate research were discussed - how to get started, what different levels of research one can expect from undergraduates, how (and where) to find good problems, outlets for presenting and publishing undergraduate research, and differences between short-term and long-term research projects.

2003 **PREP (Professional Enhancement Programs of the MAA) Knot Theory Workshop**, *Wake Forest University*,
This program was aimed at college and university teachers who are interested in learning more about knot theory. Upon completion of the workshop, teachers should be able to teach an undergraduate course in knot theory, do research in knot theory, and direct student research in knot theory.

2002-2003 **Project NExT Fellow**,
Project NExT (New Experiences in Teaching) is a program for new or recent Ph.D.s in the mathematical sciences who are interested in improving the teaching and learning of undergraduate mathematics. It addresses the full range of faculty responsibilities in teaching, research, and service, and it provides professional support for new faculty as they undertake these activities.

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TEACHING

Teaching Awards

2009 **Henry L. Alder Award for Distinguished Teaching**.
Mathematical Association of America (MAA)
Up to three beginning mathematics faculty are recognized nationally each year.

2008 **Faculty Award for Outstanding Contributions to Students**.
MAA Texas Section
One faculty member in Texas section is recognized each year.

2005 **White Fellowship for Teaching**.
University of Texas at Tyler
Up to two UT Tyler faculty are recognized each year.

UW Bothell courses developed and taught

Foundation of Modern Mathematics; STMATH 300

Matrix Algebra; STMATH 308

Abstract Algebra I; STMATH 402

Abstract Algebra II; STMATH 403

History of Mathematics; STMATH 420

Special Topics in Knot Theory; STMATH 493

UT Tyler courses

College Algebra; Math 1314

Trigonometry; Math 1316

Precalculus; Math 2412

Mathematics for Business and Economics I; Math 1324

Calculus I; Math 2413

Calculus I lab; Math 2113

Calculus II; Math 2414

Calculus II lab; Math 2114

Multivariate Calculus; Math 3404

Multivariate Calculus lab; Math 3104

Discrete Structures; Math 2330

Foundations of Mathematics; Math 3425

Matrix Methods in Science and Engineering; Math 3203

Linear Algebra and Matrix Theory; Math 3315

Abstract Algebra I; Math 3336

Abstract Algebra II; Math 4336

Introduction to Analysis; Math 3345

Introduction to Real Variables; Math 4341

Concepts of Mathematics: Applications; Math 4330

Senior Seminar; Math 4160

Algebraic Structures I; Math 5331

Algebraic Structures II; Math 5332

Topics: Ideals and Varieties; Math 5390

Topics in Knot Theory; Math 5391

Topics in Mathematics Education I; Mted 5398

Topics in Mathematics Education II; Mted 5399

Technologies used in the classroom

Canvas and Blackboard (for course management)

Geogebra (for geometric demonstrations)

Mathematica (for Calculus labs and Calculus demonstrations)

LaTex (for Senior Seminar Capstone)

Kahoot.it (for free in-class quizzes)

TI's CBR units (for Trigonometry projects)

Microsoft OneNote with Penscreen (to post notes on Blackboard)

Elluminate, Blackboard Collaborate, Panopto (to record lectures)

MyMathLab (used for online homework in lower level courses)

Program participation to enhance teaching

2013 ***Using the Canvas Learning Management System***, *University of Washington Bothell's Seminar for New Faculty*.

2013 **Faculty Fellows Program (1 week of teaching seminars)**, *University of Washington*.

2009 **Magna Online Seminar: *Coping with Seven Disruptive Personality Types in the Classroom***.

2009 **STEAM V Conference (Successfully Training Educators As Mathematicians)**, *Texas A & M*.

2009 **Creating Dual Instructors at a Distance for Mathematics**, *Net-net Consortium*.
The intention of this grant was to offer an 18-hour sequence of mathematics graduate courses to teachers with a significant mathematical background so that they would then be eligible to teach dual credit mathematics courses. In order to achieve this goal some bridge work was necessary as many had not been math students in awhile. To begin this bridge work as well as provide a bonding experience for the cohort, I will planned and implemented the two week summer camp with my colleague Casey Mann.

2008 **Mini Workshop at the 11th Annual Legacy of R.L. Moore Conference**, *Austin, Texas*.
This workshop provided an introduction to the Modified Moore Method or Inquiry Based Learning. Mathematics education articles were discussed, best practices were shared from faculty experienced with MMM/IBL, and a session was devoted to created appropriate course materials for students.

2008 **Short Course "Integrating Biological Applications in the Mathematics Curriculum"**, *Texas Section meeting of the Mathematical Association of America*.

This short course gave particular examples of biological application problems that professors could use in a variety of their courses. Most of the examples implemented the use of Matlab or Maple.

2007-2008 **Calculus Redesign Project**.

This was a joint project between UT Telecampus, UT Tyler, UT Permian Basin, and UT Brownsville to create an online Calculus I course. The planning of the project began in January 2007 with implementation starting in Fall 2007 and continuing through Spring 2008.

2004 **Algebra, Technology, and the Problem Solving Process**, *University of Texas at Tyler*.

My involvement throughout this program is that of co-instructor for the summer, fall, and spring institutes on campus. This institutes are designed to educate in-service secondary algebra I teachers about various technologies to use in their classroom.

2002-2003 **Project NExT Fellow**.

Project NExT (New Experiences in Teaching) is a program for new or recent Ph.D.s in the mathematical sciences who are interested in improving the teaching and learning of undergraduate mathematics. It addresses the full range of faculty responsibilities in teaching, research, and service, and it provides professional support for new faculty as they undertake these activities.

SERVICE

UW Bothell Service

Division Service

2013-present **Chair of Curriculum Committee**.
I have created a transparent curriculum process by forming a Catalyst site for our division. On this site, proposals submitted to me are uploaded for all to review, voted on by the division, and shuffled to different categories as they proceed through further review. I am responsible for scheduling meetings, preparing agendas, recording minutes, and communicating suggestions to authors of proposals. In addition, I review all proposals submitted to the committee and give recommendations for improvement when needed. In less than two years in this position, almost all curriculum for the new Masters of Science in Electrical Engineering, the new Bachelors of Science in Mechanical Engineering, and the new Certificate in Electrical Engineering Foundations have been reviewed and approved.

2014-present **Mathematics Society Advisor**.
Serving as an advisor to the math club provides an excellent opportunity to interact with students outside of the classroom. I'm involved in helping them choose speakers that can present interesting mathematics they might not see in the classroom and those that can address what might happen in a future industry career. I've been involved in taking students to conferences to present their research (or just listen to others) where they will be introduced to the greater mathematical community.

2015-16 **Chair of Mathematics Lecturer Search Committee**.
I was responsible for setting the search committee schedule, organizing committee meetings, reviewing candidates, hosting on-campus candidates, meeting with the Dean of STEM to discuss candidates, and writing the committee recommendation for Division of Engineering and Mathematics in the School of STEM.

2015 **Chair of Junior Personnel Review Committee for 2014 Merit and Progress towards Promotion Reviews**.
I was responsible to organizing committee meetings, writing some reviews, and communicating committee feedback for the 2014 merit reviews and statements on progress towards promotion for all assistant professors in the Division of Engineering and Mathematics in the School of STEM.

2014 **Junior Personnel Review Committee for 2013 Merit and Progress towards Promotion Reviews**.

2014, 2015 **Mathematics Asst Prof Search Committee**.

2014 **Electrical Engineering Asst Prof Search Committee**.

2014 **Third Year Review Committee**.

School/University Service

2014-2016 **Campus Council on Academic Standards and Curriculum (CCASC) member**.
I have been an active representative on CCASC for the School of STEM. Initially I finished eight months of a two-year term for a colleague that wasn't able to fulfill his commitment. I was then elected for a two-year term as the STEM representative on CCASC. The CCASC meets twice a month and reviews all curriculum for new course proposals and course changes for the campus.

2015 **Leadership in Institution Building**.

I am the principal investigator on the first NSF funded REU site at UW Bothell. I have worked with Charlotte Rasmussen, Director of Undergraduate Research, to develop website templates for REU sites for colleagues that will receive REU sites in the future. I am working with other staff to provide access to our campus facilities (housing, IT, library, gym) for REU students. In addition, I have been working with Christine Howard to determine what classification can be used to pay REU students their stipends. All of these tasks will establish policies at UW Bothell for my colleagues to use in future REU sites or other like programs. I can also provide advice to others applying for REU grants.

Professional Service

2015 **National Science Foundation Grant Review Panelist**, November 2015.

2014, 2015 **Alder Award Selection Committee**, Membership consists of previous award winners.

In 2003, the Henry L. Alder Award for Distinguished Teaching by a Beginning College or University Mathematics Faculty Member was created by the MAA to "honor 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 classroom."

2014 **"Strategies for improving recruitment and retention of mathematics majors" Panelist**, *MathFest*, Project NExT special session.

UT Tyler Service

Departmental Service

2004-2006 **Assistant Department Chair**.

My duties in this role include making the teaching schedule with the chairman, coordinating our lab workers, dealing with book orders through publisher and bookstore.

2004-2009 **Departmental Scheduler**.

I put together the teaching schedule for the department with the chairman.

2002-2009 **Sponsor of the MAA chapter at UT Tyler**.

As a sponsor of the MAA student chapter at UT Tyler, I was involved in all aspects of the chapter including calling officer meetings, making schedules, helping with t-shirts, helping with booth at Patriot Preview days, inviting speakers (including Brad Smith, CEO Milliman USA and Mike Scott, aerospace engineer at Houston Space Center), writing co-curricular proposals for trips, hosting holiday parties, accompanying (driving them) students to conferences (Texas Undergraduate Mathematics Conferences, Nebraska Conference for Undergraduate Women in Mathematics conferences, Texas MAA Sectional meetings), and creating an Integration Bee as well as various Interdisciplinary Lecture Series.

2008-2009 **NETnet Leadership Team**.

This team collaborated to construct an appropriate 18 hour graduate sequence in mathematics in order to increase the number of instructors available in the East Texas area to teach dual credit mathematics courses.

2005-2011 **Conference organization**.

Texas Section of the MAA meeting, Arrangements Chair, 2011
Texas Undergraduate Mathematics Conference, Lead Organizer, 2010 & 2011
Texas Undergraduate Mathematics Conference, Secondary Organizer, 2009
Sonya Kovalevsky Day Organizing Committee, Chair 2007 & 2008
Sonya Kovalevsky Day Organizing Committee, Member 2005 & 2006

2008-2012 **Evaluation Committees**.
Tenure & Promotion Committee, 2007 & 2010
Third Year Review Committee, 2008 & 2011 & 2012

2006-2009 **Hiring Committees**.
Assistant Professor Search Committee, Chair, 2008
Assistant Professor Search Committee, Member, 2004 & 2009
Administrative Assistant Search Committee, Member 2006

2002-2010 **Other Committees**.
Governance Committee, 2009-2010
Appointment of Student Assistants and Workers Committee, Chair, 2007-2009
Curriculum Committee, 2007-2008
Calculus Committee, 2004-2005
Junior-Senior Committee, 2002-2005

2004-2010 **Masters Degree Committees**.
Heather Pierce; Advisor; Spring 2010
Bobby Thomas; Summer 2008
Jared Painter; Advisor; Spring 2007
Russell Greenlee; Spring 2007
Sarai Ramos; Spring 2007
Kirk Bozeman; Spring 2006
Andy Hatton; Spring 2004

2006-2012 **Senior Seminar Students mentored**.
Joshua Bonner; Fall 2012
Sara Melvin; Spring 2012
Dean Williams; Fall 2011
Kristen Chockley; Fall 2010
Grant Campbell; Spring 2010
Sarah Shelton; Spring 2009
Beth Hood; Fall 2008
Terrell Fenner; Spring 2008
Shaun Williams; Spring 2007
Nnamdi Enyinna; Spring 2006

College Service

2009-2013 **College of Arts & Sciences Associate Dean**.

2010 **Interim Chair of History**.

2007-2010 **College of Arts & Sciences Faculty Senator**.
I attended monthly meetings of the faculty senate to represent the College of Arts & Sciences. I communicated with my constituents to bring relevant faculty issues to this governing body.

2005-2007 **Governance Committee for College of Arts and Sciences**.
I served as chair of the 2006-2007 committee. This committee is responsible for conducting the elections of the College of Arts & Sciences committees.

2009 **SACS Math/Science Liason**.
I served as a liason between the Dean and the chairs of mathematics, biology, and chemistry for SACS program assessment development.

2009 **Biology Department Third Year Review Committee**.

2003-2011 **College Search Committee Participation**.
College of Arts & Sciences Dean Search Committee; 2010-2011
Music Departmental Chair Search Committee; 2008-2009
College of Arts & Sciences Dean Search Committee; 2007-2008
Chemistry Departmental Faculty Search Committee; 2003-2004

University Service

2012-2013 **Core Workgroup Chair**.
This workgroup was appointed by the Provost to recommend a framework for the new core curriculum to be implemented in Fall 2014. As chair of this committee, I was responsible for setting the regular meeting structure, overseeing meetings, organizing a town hall meeting, working with the Provost, negotiating across colleges, and disseminating recommendations to faculty, chairs, and deans.

2007-2009 **Academic Governance Chair of Faculty Senate**.
I was responsible for giving monthly reports concerning the ongoings of the following university committees to the Faculty Senate: Undergraduate Council, Graduate Council, Academic Affairs, Information Technology, and Intercultural Affairs.

2012-2013 **Undergraduate Council Chair**.
This was the university curriculum committee.

2011-2012 **Core Curriculum Subcommittee Chair**.

2005-2006 **Status of Women and Minorities Committee Chair**.

2004-2013 **Other University Committee Service (as a member only)**.
Committee on Committees; 2007-2008 2008-2009
Core Curriculum Subcommittee; 2010-2011
Faculty Senate Endowment Committee; 2008-2009
Retention, Recruitment, and Admissions Committee; 2011-2013
SACS Academic Support Services Committee; 2008-2009
Status of Women and Minorities Committee; 2004-2005
Student Financial Aid Appeals Committee; 2005-2006
Undergraduate Council; 2011-2012
University Assessment Committee; 2010-2011

2009 **Panelist for IDEAS Balancing Life & Career Panel**, *University of Texas at Tyler*.

2008 **1st Annual STEM Palooza Poster Judge**, *University of Texas at Tyler*.

Professional Service

2010-2013 **MAA Texas Section**.
Secretary Treasurer for the Texas Section of the MAA, 2011-2013
Arrangements Chair for the Texas Section of the MAA, 2010-2011
Director-At-Large, 2008-2010
Student Breakfast Chair, 2010

2005-2012 **National Science Foundation**.
REU grant reviewer, 2 times
Tribal Colleges and Universities Program grant reviewer, 1 time
Co-chair of Louis Stokes Alliance for Minority Participation grant reviewer, 1 time
Site Team visit for LSAMP program, 1 time
Bridge to the Doctorate grant reviewer, 3 times

2011 **Quality Enhancement Plan Lead Evaluator for SACS Reaffirmation On-Site Visit**.

2009 **Co-organizer for Project NExT Panel "Establishing Your Identity as a Post-Tenure Professor"**.
Joint Mathematics meeting 2009

2008-2009 **Co-leading breakout session**.
Nebraska Conference for Undergraduate Women in Mathematics 2009
Nebraska Conference for Undergraduate Women in Mathematics 2008

2006-2012 **Panelist participation**.
Careers in Mathematics, Nebraska Conference for Undergraduate Women in Mathematics, 2012
Faculty Luncheon, Nebraska Conference for Undergraduate Women in Mathematics, 2012
Careers in Mathematics, Texas Undergraduate Mathematics Conference, 2007
Building Effective Student Groups, Texas MAA Sectional meeting, 2006

2007-2012 **Judging student work**.
Undergraduate Poster Session, Joint Mathematics meeting, 2012
Undergraduate Poster Session, Joint Mathematics meeting, 2008
Undergraduate Poster Session, Joint Mathematics meeting, 2007
AWM essay contest for high school girls, Association of Women in Mathematics, 2004

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