TEXAS STATE VITA

I. Academic/Professional Background

A. Name: Weam Al-Tameemi. **Title:** Assistant Professor of Instruction

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
Post- Graduate in Data Science and Business Analytics	2024	University of Texas at Austin/ McCombs Business School	Data Science and Business Analytics	Projects Analysis
Ph.D. in Mathematics	2011	University of North Texas	Mathematics (Topological Groups)	Algebraically Determined Semidirect Products
M.Sc. in Mathematics	1994	Baghdad University	Mathematics (Dynamical Systems)	On Strange Attractors
Bachelor of Science in Mathematics	1987	Baghdad University	Mathematics and Minor in Physics	

C. University Experience

Position	*University*	*Dates*
Assistant Professor of Instruction	Texas State University	Fall 2024 - Present
Lecturer	Texas State University	Fall 2018 - Aug.1,2024
Assistant Professor	Texas A&M International University	Fall 2012 - Aug.1, 2018
Lecturer	University of North Texas	Fall 2011 - Aug.1, 2012
Graduate Teaching Fellow	University of North Texas	Fall 2006 - Aug. 2011
Instructor	Baghdad University	May 2003 - Aug.2005
Assistant Instructor	Baghdad University	May1994 -May.1, 2003

D. Relevant Professional Experience

Position	*Entity*	*Dates*
Member	The National Association of Professional Women (NAPW)	2011- 2013
Member	American Mathematical Society (AMS)	2006-Present
Member	Quality Matters (QM) and (iQM)	2013-Present
Reviewer	Journal of STEM Educational Research	2018-Present
Reviewer	Journal of Latinos in Education	2021- Present
Reviewer	Action in Teacher Education Journal	2022-Present

E. Other Professional Credentials (licensure, certification, etc.)

- Post Graduate Program in Data Science and Business Analytics Certificate, University of Texas at Austin & Great Learning, Nov.2024
- Digital Teaching Symposium Certificate of Attendance, Darcy Hardy, Anthology, Nov. 2, 2023.
- QM Rubric Update Seventh Edition (RU) Certificate, Quality Matters QM, Aug. 22, 2023.

- Math Anxiety: What is it & How to Combat it Certificate of Attendance, Lumen Learning, Apr. 12, 2023.
- Innovative Educators Virtual Summit Certificate of Attendance, Professional Development by Hawkes Learning, Mar. 16- 17, 2023.
- Course Hero's virtual event Certificate, Rising Together: Effective Assessment for Students and Teachers, April 13, 2022.
- Advanced Zoom Features in DLP Classrooms certificate, November 11, 2021, Faculty Development at Texas State University.
- Teaching Award of Honor, Texas State Alumni Association, Spring 2020.

SKILLS

- Python
- LaTex
- Excel
- Microsoft

II. TEACHING

A. Teaching Honors and Awards:

- QM Peer Reviewer Certificate, Aug. 22, 2023
- Teaching Award of Honor, Texas State Alumni Association, Spring 2020.
- Teacher of the year, Texas A& M International University, Department of Mathematics and Physics, 2015-2016.
- University of North Texas, Teaching Fellow Award, 2006-2011.
- Professional Teaching Award, Ministry of Higher Education, Baghdad, Iraq, for the years 1998 and 1999.

B. Courses Taught:

- Math 5365 Topology
- Math 5340 Differential Geometry
- Math 5320 Complex Analysis I
- Math 5290 Research Methods in Mathematics
- Math 5191 Mathematics Seminar
- Math 4360 Introduction to Topology
- Math 4345 Complex Variables-WIN Course.
- Math 3371 Communication in Mathematics- WIN Course
- Math 3330 Differential Equations.
- Math 3310 Linear Algebra
- Math 2473 Int Calc W/ Multivariable and Series
- Math 2472 Calculus II
- Math 2471 Calculus I
- Math 2393 Calculus III
- Math 1319 -1329 Business Math I & II
- Math 1315 College Algebra (Stand alone, Paired, N classes)
- Math 1312 College Stat & Algebra
- Math 1311 Intermediate Algebra
- Math1300 Elementary Algebra

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press)

1. Articles

a. Refereed Journal Articles:

- **Al-Tameemi, W**. and et al, **(2023)**, South Texas Rural School Novice Teachers, Journal of Latinos and Education, May 2, **DOI:** 10.1080/15348431.2023.2206900. **To link to this article:** https://doi.org/10.1080/15348431.2023.2206900
- **Al-Tameemi, W**. and et al, **(2021)**, Professional Development for Secondary School Teachers and Educational Professionals in STEM Fields, Theory & Practice in Rural Education (TPRE), Vol. 11, No. 1, Pp. 94-112, ISSN:2642-7170 2021, https://doi.org/10.3776/tpre.2021.v11n1p94-112.
- **Al-Tameemi, W**. and et al, **(2020)**, Instructional Research-based Practices Related to Agriculture, The Texas Forum of Teacher Education/ Texas Association of Teacher Educators, Volume 10, pp. 61-70, ISSN: 2166-0190 online. https://txate.org/resources/Documents/Mireles%20Viloria%20Al-Tameemi%20Uribe%202020.pdf
- **Al-Tameemi, W**. and et al, **(2019)**, "A Theoretical Approach to Ensuring Instructional and Curriculum Coherence of STEM Writing Intensive (WIN) courses: A Case Analysis of One University", International Journal of Innovation Sciences and Research, Vol.8, No. 8, pp.1466-1479. http://www.ijisr.com/issue/theoretical-approach-ensuring-instructional-and-curriculum-coherence-stem-writing-intensive
- **Al-Tameemi, W**. and Kallman, R., **(2016)**, "The natural semidirect product R^n x G(n) is algebraically determined," Topology and its Applications, Vol. 199 page 70-83. https://www.sciencedirect.com/science/article/pii/S0166864115005350
- **Al-Tameemi, W**. and Kallman, R., **(2014)**, "Algebraically Determined Semidirect Products," Topology and its Applications Vol. 175 page 43-48. https://www.sciencedirect.com/science/article/pii/S0166864114002818
- **Al-Tameemi, W**., **(2004)**, "On Strange Attractors,", College of Education J., University of Al- Mustansiriya, Baghdad, Iraq.
- **Al-Tameemi, W**. and Hassan, S., **(2002)**, "An Examination of Expansive Sensitivity of Duffing Equation," Ibn Al-Haitham J. For Pure& Applied Science, vol.15 (4b), Baghdad, Iraq.

IV: SERVICE

A. Institutional

1. University and College:

- Volunteer: Julia Robinson Math Festival at the San Marcos Public Library, April 2023, 2024, & 2025.
- Poster Judge: TXST STEM Conference, Texas State University, April 2024 & 2025.
- Participant: 103rd MAA Conference & Annual Meeting, Mar. 22, 2024.
- Faculty Research Member: 2021-2023 LBJ Institute Faculty Research Fellows Program.
- Faculty Member: University Lecturer Committee, Representing the College of Science and Engineering at Texas State University, 2020-2023.
- Faculty Member: Faculty- Student STEM Communities NSF Project at Texas State University for Math2472 Calculus II Classes, 2021- 2024.

- Invited Speaker: USDLA- National Distance Learning Week (NDLW), Texas State University, Nov.9-13, 2020. Why Remote Learning and Online Learning are Different. https://www.distancelearning.txstate.edu/faculty/NDLW.html .

2. Department:

A. Committees:

- Faculty Member: Department Award Committee, 2022-present
- Faculty Member: Listening Committee, 2022- 2024.
- Faculty Member: Math1329 Business Math II, 2019-present
- Co- Chair: Math2472 Calculus II Committee, 2022-present
- Faculty Member: Machine Learning Seminars, Math. Dept., Texas State University.
- Faculty Member: Talk Math to Me Seminars.
- Faculty Member: Integration Bee, 2024-present.
- Faculty Member: Library Committee, 2023.
- Faculty Member: Precalculus Improvement Team, Dr. Marilyn Carlson and colleagues run an online training on using the Pathways curriculum. During the workshop we discussed our learning goals, specific tasks, the rationale for our task scaffolding, how we and others use our resources, etc."
- Faculty Member: University Lecturer Committee, Representing the College of Science and Engineering at Texas State University, 2020-2023.
- Faculty Member: Math1315 College Algebra, 2019-2022.
- Chair: Math2471 Calculus I, Teaching Forum 2021
- Chair: Math2321&2331 Calc for Life Sciences (I & II) Teaching Forum 2020- 2021
- Member: Math1315 College Algebra Common Final Committee 2021.
- Member: Students Affair Committee 2020.

Math Department Seminars:

- Member: Math Ed Seminars, Math dept. Texas State University
- Member: Topology Seminars, Math dept. Texas State University.
- Member: Statistic Seminars, Math Dept., Texas State University.
- Member: Talk Math to Me.
- Member: Integration Bee.

Other Department Activities:

- Online Course Organizer: During 2024, I start working on organizing an online Calculus II course with an instructional Designer from the university for the purpose of certifying the course through DL (Distance Learning) and QM (Quality Matters) organizations.
- Co- Leader: 2024 Calculus II Bootcamp, as I generated the flyer and questions for students to practice during the Bootcamp on Partial fractions Integration techniques, March 19, 2024.
- Faculty Member: Association for Women in Mathematics, 2024.
- Faculty Member: Pi Mu Epsilon (Texas Rho Chapter), Texas State University, 2023-present.
- Presenter: Topology Seminars, Texas State University, Fall 2023.
- Volunteer Calculus Bee: In this activity I provided new integral set of problem with their solutions as well as I was responsible for running the stopwatch for the preliminary rounds (15 minutes each) and the final rounds (each question is 30-90 sec), Mar. 2023.
- Volunteer Substitute Lecture: Substitute for other instructors (Philip Punte, sick leave, Math1319, Oct 6, 2023) and (Pritha Chakraborty, Maternity leave, Sp2023).
- Faculty Member: Faculty- Student STEM Communities Project at Texas State University- Dream Team for Math2472 Calculus II Classes, Spring 2021- 2023.

- Comparison and Treatment Faculty Member: 2020-2022 iTsCRITiCAL Project in Collage Algebra, Texas State partnership with CU -Denver University, 2021-present.
- Participant: Participate in all Faculty meetings.
- Donor: Miscellaneous donations for Math students.
- Attending Hooding and Honor Cord Graduation Commencement Ceremony: The Hooding and Honor Cord Graduation Commencement Ceremony, holds twice yearly and we are required to participate in at least one of the events either in Fall or Spring semester.
- Present a Poster: Graduate EXPO program (Research Conference), Mathematics Department at Texas State University, Nov.6, 2020.

B. Professional:

- Member: The American Mathematical Society (AMS), 2006- present.
- Member: The National Association of Professional Women (NAPW), 2011-present.

C. Community:

- Gear Up program-CISD, for supporting the Gear up program at San Marcos High School, Nov. 2021- present.
- Donation: Miscellaneous donations for Math students and other research programs, 2018-Present.
- 2022 Bobcat Build: Faculty and students volunteer their time to complete various service projects throughout the community such as landscaping, painting, or clean-ups at residents' homes, local schools, parks, churches, and neighborhoods.
- Faculty Member: Faculty- Student STEM Communities NSF Project at Texas State University-Dream Team for Math2472 Calculus II Classes, Spring 2021- present.

D. Service Honors and Awards:

- Associate Reviewer: Action in Teacher Education Journal, 2022- Present.
- Associate Reviewer: Journal of Latinos in Education, 2021- Present.
- Associate Reviewer: Journal of STEM Educational Research, 2018- Present.
- Quality Matters (QM) Member: I am a certified Peer Reviewer and member of international quality matters 2013- present.
- 2021Gear Up Monthly Award from CISD at San Marcos High School, for supporting the Gear up program.

E. Service Grants and Contracts

1.Funded External Service Grants and Contracts:

- Co-Project Director/Co-Principal Investigator: STEP into the STEM Field (STEM Field), National Institute of Food and Agriculture, Texas A & M International University, ($150,000), 2018-2022.