

HANAN KUZAT
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EDUCATION

Doctorate Degree in Higher Education Leadership, 2023
Tennessee State University, Nashville, TN
Education Specialist Degree in Administration and Supervision, 2008
Tennessee State University, Nashville, TN
Master's degree in mathematical science, 1997
Tennessee State University, Nashville, TN
Bachelor Degree in Mathematics, 1991
Khartoum University, Sudan
Bachelor Degree in Environmental Sciences, 1991
Omdurman Ahlia University, Sudan

EXPERIENCE

Mathematics Instructor Texas A&M University – Commerce Commerce, TX 75429	08/2014 – Present
Mathematics Adjunct Faculty Collin College Wylie, TX 75098	08/2021 – Present
Mathematics Adjunct Faculty Richland College Dallas, TX 75243	08/2018 – 12/2020
Mathematics Adjunct Faculty University of Texas at Dallas Richardson, Texas 75080	08/2016 – 12/2017
Mathematics Adjunct Faculty University of North Texas at Dallas Dallas, TX 75241	08/2015 – 05/2016
Mathematics Instructor Mathematics Success Center Tennessee State University, Nashville, TN	08/1999 – 08/2014
Website Editor Students Success Center Academic enrichment, Advisement & Orientation Tennessee State University, Nashville, TN	05/2004 – 08/2014
Online Course Instructor/Designer Mathematics Center Academic enrichment, Advisement & Orientation Tennessee State University, Nashville, TN	05/2002 – 08/2014

Mathematics Instructor (Part time Adjunct) 08/1999 – 05/2011
Physics and Mathematics Department
Tennessee State University, Nashville, TN
Teacher I (Mathematics Lab Instructor) 09/1998 – 08/1999
Mathematics Center
Academic Enrichment, Advisement & Orientation Program
Tennessee State University, Nashville, TN

COURSES TAUGHT (1999-Present)

On-ground courses:

Math Application & Philosophy
Mathematics for Business Application I & II
Business Math I & II
Applied Calculus I & II
Basic Calculus
Precalculus
College Algebra
Blended College Algebra
Contemporary Math
Intermediate Algebra
Elementary Algebra
Basic Mathematics

Fully online & Hybrid courses designed and taught:

Business Math I & II
Basic Calculus
College Algebra
Intermediate Algebra
Basic Mathematics

PROFESSIONAL SKILLS, PRESENTATIONS, RESEARCH AND PUBLICATIONS

- Doctoral Dissertation titled: “Blended Learning Implementation among Mathematics Students: A comparison to Traditional Learning Platform”
<https://www.proquest.com/docview/2817842851>, May 2023.
- Presented a paper at [MAA Annual Conference](#), Tarleton University, Stephenville, TX, 2023. “The effect of Blended Learning Implementation on student Performance in a Pre-calculus course.”
- Magboul, I., Saleh, S., & Kuzat, H. (2021). BLENDED LEARNING IMPLEMENTATION: A COMMUNITY COLLEGE STUDENTS’ INSIGHTS. In *ICERI2021 Proceedings* (pp. 8496-8502). IATED.
- Presented a paper at MAA Annual Conference, Tarleton University, Stephenville, TX, 2019. The paper titled “[Online Courses: Tips & Tricks](#)”

- Attended NTCCC Professional Development at the 3rd Annual NADE McCabe conference (in conjunction with the NTCCC 13th Annual Developmental Education Regional Forum), Mountain View College, Dallas, TX, 2018.
- Served as presentation [Monitor](#) at MAA Annual Conference, Dallas, TX, 2018.
- Served as A registrar at MAA Annual Conference, Commerce, TX, 2017.
- Served on Adventures in Mathematics (AIM) Day Committee; Commerce, TX, February 2016-Present.
- Attended for the Advancement of Mathematics Teaching Conference (CAMT); San Antonio, TX, June 2016.
- Presented a paper at MAA Annual Conference, San Antonio, TX, 2015. The paper titled as [“Play to Learn”](#)
- Served as an organizer at The Fusion Conference, Nashville, TN 2014.
- Serve as instructional designer on the Learning Support team working on designing an online learning support testing center using Desire to Learn (D2L) management system and a diagnostic placement test for Mathematics center, 2012.
- Attended Tutorial Certification Workshop and Technology Conferences related to my area of concentration as a faculty at Tennessee State University such as Technology Challenge, 2011.
- Attended the AdvancED Conference, Murfreesboro, TN 2011. Served as a board member on the Education Committee of Nashville International Academy during the Accreditation process done through AdvancED.
- Presented a paper at the 25th Annual TNADE Conference, Dickson, TN, 2009. The paper titled as “Blended Math course; achieve discernible improvements in both course quality and students’ academic progress.”
- Participated in writing the proposal for redesigning the Blended College Algebra course; this is a combination of Intermediate Algebra and College Algebra, offered fall 2008-present.
- Book review, review of “Beginning & Intermediate Algebra”, 2nd edition by Messer Smith, 2008
- [Engaging the Learner. Annual Instructional Technology Conference \(12th, Murfreesboro, Tennessee, April 1-3, 2007\)](#). “Let’s knock some classrooms walls and build a Web-Based learning, interactive multicultural environment among our online students”, paper was published on Education Resources Information center (ERIC).
- Presented a paper on the 23rd Annual TNADE Conference, Gatlinburg, TN, 2007. The paper titled as “Put the Earth in your students’ hands and knock down some classroom walls”. Served as a Session Moderator at the Conference.
- Designed two Mathematics courses online on WebCT then redesigned them on Desire to Learn (D2L); Basic Calculus (MATH1830) and Basic Mathematics (DSPM0700), 2006
- As a member in the AEAO/e-Learning Committee, designed the Math Virtual Learning Center on D2L and continued expanding the center materials to enhance students learning among TSU different disciplines such as Math, Business, and Nursing.
- Presented a paper on the 18th Annual TNADE Conference, Gatlinburg, TN, 2002. The paper titled as “Web language, let’s make it easier for our online students.”

PROFESSIONAL ORGANIZATIONS MEMBERSHIP

- Mathematics Association of America (MAA)
National Council of Teachers of Mathematics (NCTM)
- The Sloan Consortium; Institutional and Professional Leadership Organization (Sloan-C)
- Association for Computing Machinery (ACM)

SERVICES

Texas A&M University-Commerce:

- Serve as committee chair for The Mathematics Advisory Council at Texas A&M-Commerce/Mathematics Department (MAC), September 2021-Present
- Serve as the Muslim Students Association faculty advisor at Texas A&M-Commerce, 2022 – present.
- Serve as a judge at the Texas A&M Annual Research Symposium, Commerce, TX, 2019.
Serve as a judge at the Beal Bank Dallas Regional Science & Engineering Fair, Dallas, TX, 2015- Present and Plano ISD Science & Engineering Fair, Plano TX, 2023.
- Have my students participate in the AIM event held on February 2017 with Mathematics project.
- Attended several Technology workshops/training held by Textbook publication companies in the Mathematics department.
- Serve on the registration and orientation process during summer semesters as needed.
- Create Online Homework using WebAssign for multiple Math courses.
Serve on 5-years Plan Committee, 2014-2015
- Serve as Department Website Coordinator, 2014-2018
- Participate on graduation Ceremony, 2014 – Present

Tennessee State University:

- Participate in the academic advisement process during students' registration, 2000-2013
- Membership in the Welfare/Relations Committee of the TSU faculty senate, 2010-2012
- Membership in the Research Committee of the TSU faculty senate, 2012-2014
- Membership in the TSU/Multicultural friendship Society (MCFS), 2011-2014
- Served as a panelist speaker on diversity week at Tennessee State University, September, 2011.
- Member in the Disability and Learning Difference Diversity Learning Community (FLC), TN, 2010-2014
- Member in the Ethnic and Cultural Diversity Learning Community, TN 2014
- Participated in the Student Motivation Task Force (SMTF), March 30, 2011
- Support the TSU's First community Service Day, Fall 2007

Tennessee State University/Academic Success Center:

- Staff Senator for Academic Success Center, Fall 2012-2014
Served as AEAO/Mathematics Center Website Editor, 2008-2010

- Member of the Math Support Sub-Committee and Learning Support Committee 2010-2014.
- Served on AEAO/Math Hiring committee, 2004-2007.
- Gave a technology workshop for AEAO/Math faculties on “How to create a quiz online using D2L tools”, 2006.
- Created the Intermediate Algebra course template on the ICAN LEARN System, 2006 - 2007 at Tennessee state university, AEAO/MATH.
- Created the Intermediate Algebra course template on the MY MATH LAB online within course compass website, which organizes interactive tutorials, video, quizzes, eBook reading, and other resources in each chapter of the course textbook, offered 2007-2011. Also responsible for creating the AEAO/Math courses account on MY MATH LAB every semester.
- Provide the Mathematics Center students with adequate learning resources by designing pages linked to the school library resources to help and easy student’s access to all course documents needed during the learning process.
- Served as the chairperson for the Intermediate Algebra Committee, 2006 – 2011

GRANTS

SAFRA Grant

May 2011 – Tennessee State University/Physics and Mathematics Department:

Using Technology in the Classroom in Mathematics Courses to improve retention and graduation efforts while developing new models for working with students in the STEM areas.

Service-Learning Mini Grant (two grants)

- December 2008 – Tennessee State University Service-Learning grant: Approved for a mini grant to teach Intermediate Algebra course as a service-learning course.
- March 2011 - Tennessee State University Service-Learning grant: Approved for a mini grant to teach College Algebra and Basic Calculus as a service learning courses.

Wal-Mart Minority Students Initiative Grant within Learning in Communities Program (LinC).

Planning and theme development for classes involved in the Learning in Communities Program.

AWARDS

- Member in the TSU/AEAO e-learning committee, the winner of the Blue and white All-Star Academy award for designing the Virtual Learning center – 2005
- Mathematics teacher of the year at Tennessee State University, 2014

OTHER SKILLS AND ACTIVITIES

- Computer skills: Mac/PC Platforms: Microsoft Office Suite –Word, Excel, PowerPoint, HTML, Outlook and Website developer.

- Excellent skills in data analysis using Statistical Package for Social Sciences Software (SPSS)
- Online course design Management System: eCollege, Desire to Learn (D2L), CANVAS, WEBCT, Moodle.
- Assessment tools for learning systems: Respondus software, Webwork, LaTeX, Math type Equation Editor, Mathematica.
- Online Homework software: MyMathLab, WebAssign, and WileyPlus.
- Video/presentation Software: Screencast, Jing, Prezi, HTML, Impatica, and Webinar
- Earned the Certificate of Completion of the Survey of Earned Doctorates.

REFERENCES

Available upon request.