Ash Demian

Curriculum Vitae

Education

Texas State University

Doctor of Philosophy, Mathematics Education, August 2023
Advisor: Dr. Alex White
Dissertation title: A Characterization of College Algebra Assessment During the Transition to Emergency Remote Teaching

Master of Science, Pure Mathematics, August 2019
Advisor: Dr. Alex White
Thesis title: Assess Three Level Cross-Classified Model in LME4 package in R

Bachelor of Science, Pure Mathematics, May 2017

High Institute of Computer & Management Sciences (Egypt)

Bachelor of Computer Science, May 1996

Teaching Experience

Courses taught at Texas State University as an instructor of record:

- Spring 2024– Math 1316 – Survey Contemporary Math, two sections
- Spring 2024 – Math 1300 – Elementary Algebra, two sections
- Fall 2024 – Math 1315 –College Algebra, one section
- Fall 2024 – Math 1316 – Survey Contemporary Math, two sections
- Fall 2024 – Math 1319 – Math for Business & Economy I, one section
- Spring 2023 – Math 1329 – Math for Business & Economy II, one section
- Spring 2023 – Math 1316 – Survey Contemporary Math, one section
- Fall 2022 – Math 1300 – Elementary Algebra, two sections
- Summer 2022 – Math 1316 – Survey Contemporary Math, one section
- Spring 2022 – Math 1315 – College Algebra, two sections
- Fall 2021 – Math 1316 – Survey Contemporary Math, two sections
- Summer 2021– Math 1315 – College Algebra, one section
- Spring 2021 – Math 1315 – College Algebra, two sections
- Fall 2020 – Math 1319 – Math for Business & Economy I, two sections
- Spring 2020 – Math 1315 – College Algebra, two sections
- Fall 2019 – Math 1311 – Intermediate Algebra, two sections
- Spring 2019 – Math 1311 – Intermediate Algebra, two sections
- Fall 2018 – Math 1319 – Math for Business & Economy I, two sections

Courses taught at Texas State University as a Lab instructor:

- Summer 2020 – Math 2471– Calculus I, one section
- Summer 2019 – Math 2472 – Calculus II, one section
- Summer 2018 – Math 2472 – Calculus II, two sections
- Spring 2018 – Math 2472 – Calculus II, two sections
- Fall 2017 – Math 2417 – Pre-Calculus Mathematics, two sections

Professional Experience

Texas State University

- Instructor of Record (08/2018 – Present)
- Graduate Instructional Assistant (08/2017 – 08/2018)
- Paper grader (01/2016 – 08/2018)

Truckee Meadows Community College ***(07/2013 – 05/2015)***

Mathematics Tutor

- Assisted students from pre-algebraic material up to Differential Equations
- Adequately communicated complicated material, successfully supporting their mathematic success
- Efficiently maintained office procedures, including receptionist responsibilities

Awards and Honors

Honors

- November 2021 – Rapid Fire Research – Math Education
- Spring 2020 – Exemplary Service During The COVID-19 Crisis
- Graduate Recognition for Academic Excellence at the master level, 2019
- Undergraduate Recognition for Academic Excellence- 2016, 2017
- Putnam Mathematical Competition – December 2016

Awards

- Ross and Sarah Wayment Endowed Fund for Mathematics Education, Texas State University, 2021
- DNU Merrick Graduate Merit Fellowship, 2017
- Graduate College Scholarship Science and Engineering, 2017
- Robert and Brita Northcutt Scholarship, 2016

Presentations

Conferences

- How college algebra changed during the pandemic – AMATYC 2022, virtual conference
- A Characterization of College Algebra Assessment During the Transition to Emergency Remote Teaching –PME-NA 2022 Nashville, TN – Poster
- A Characterization of College Algebra Assessment During the Transition to Emergency Remote Teaching – MAA- MathFest 2022, Philadelphia, PA
- How did college algebra change during the pandemic? MAA- University of North Texas, Denton, TX
- How to conquer math anxiety in ten steps, MathFest 2017, Chicago, IL

Invited Talks and posters

- International research conference 2022 – A characterization of college algebra test during the pandemic – poster.
- Math Education seminar 2021 – A characterization of college algebra test during the pandemic – talk
- Math Expo – The impact of the Covid-19 pandemic on college algebra assessment – poster
- Math Expo – The impact of teaching beliefs about technology on teaching practices – poster
- Three Minute Thesis 3MT – Assess Three Level Cross Classified Model in LME4 in R – talk
- Talk Math 2 Me 2017 – Fractional Derivative – talk

Service

Service to Department/University

- Secretary of Pi Mu Epsilon, Rho-Chapter 2017 – Present
- Shared in preparing Corn on Quad activity
- Tailgate activities
- Promote the university graduate programs at the MathFest conference, 2017, Chicago, IL
- Provide photography service for the department ceremonies.

Membership:

- Member of Mathematics Association of America
- Member of American Statistical Association ASA

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Skills
R, SPSS, Qualtrics, Latex, MATLAB, C++, Adobe Photoshop, Microsoft Office