

Sandra Belcher
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Education:

- 1992 University of North Texas. M.S.
 • Major: Mathematics
- 1989 Midwestern State University. B.S., magna cum laude
 • Major: Mathematics
 • Minor: Economics

Professional Experience:

1999-present

Midwestern State University.
Developmental Mathematics Coordinator

- Coordinate all corequisite courses. This includes creating supplemental material and tests
- Assessment coordinator for contemporary mathematics
- Responsible for new faculty and adjunct orientation to developmental mathematics
- Helped to establish Midwestern State University's placement policies under the Texas Success Initiative's new assessment test
- Complete the mathematics portion of the Developmental Education Program Survey (DEPS)
- Helped to develop Midwestern State University's Non-Course Based Option for developmental mathematics students
- Supervise faculty teaching developmental mathematics
- Coordinate developmental mathematics program which includes developmental curriculum, course scheduling, and syllabus and policy writing
- Responsible for assisting developmental mathematics placement of enrolling students
- Coordinate test development for developmental mathematics
- Serve on Developmental Education Committee to prepare Developmental Education Plan for the university
- Chair textbook selection committee for beginning and intermediate algebra
- Established self-paced alternative for students to become TSI complete during a semester when unsuccessful in corequisite courses.
- Member of hiring committee for Lecturer position in the mathematics department
- Redesigned Beginning Algebra to better prepare students for college algebra in response to HB2223

1993-present

Midwestern State University.
Assistant Professor of Mathematics (2003-present)
Instructor of Mathematics (1993-2002)

- Participated in WestEd Equity in Math Courseware study
- Awarded McCoy College of Science, Mathematics and Engineering teaching award in spring 2022
- Teach beginning algebra, intermediate algebra, math analysis for business, college algebra, structure of the number system I and II, trigonometry, and contemporary mathematics
- Responsible for creation of corequisite courses in response to HB 2223
- Co-taught pilot section of developmental support for contemporary mathematics

- Work in math help session each semester
- Taught Learning Community linked course of Beginning Algebra with a College Connections course fall 2014
- Taught a Learning Community Linked Course Intermediate Algebra with a College Connections course fall 2015 and fall 2016 and fall 2017
- Member of departmental textbook committee for Math Analysis for Business and College Algebra
- Member of Math Analysis for Business assessment committee
- Taught college algebra as a concurrent enrollment course at Burkburnett High School spring 2010
- Taught college algebra as a dual credit course at Hirschi High School spring 2009
- Assist in departmental syllabus and policy writing for beginning and intermediate algebra
- Assist in departmental test and final exam development for beginning and intermediate algebra
- Served on Admissions Committee, Academic Readmissions Committee (chair 1998-2000), Academic Appeals Committee, Financial Aid Appeals Committee (chair 2001-2003), and SACS Fine Arts and Liberal Arts Committee

1989-1992

University of North Texas.

Graduate Teaching Fellow

- Taught pre-algebra as self-paced course
- Taught college algebra, structure of the number system, and probability and statistics as lecture courses
- Worked as math lab tutor
- Served as placement advisor for incoming freshmen
- Served on textbook selection committee for pre-algebra
- Designed departmental course syllabus and tests for pre-algebra

1989

Midwestern State University.

Math Instructor

- Taught beginning algebra lecture
- Supervised developmental mathematics computer lab

Scholarly Activity:

1994 – present

Textbook Reviewer.

- Reviewed developmental mathematics and college algebra textbooks for Prentice Hall, McGraw Hill, Addison Wesley, Brooks/Cole and Pearson
- Created transition guide for Brooks/Cole intermediate algebra textbook

Service:

2024

Member of hiring committee for Assistant to the Dean position

2018-2022

Member of hiring committee for the mathematics lecturer positions

2016

Texas Higher Education Coordinating Board – Austin, TX

- Selected member of the Learning Outcomes Work Group for Developmental Mathematics – charged with writing the course descriptions and learning outcomes for the Lower Division Course Guide Manual.

2007-present

I.C. Evans Elementary – Burkburnett, TX

- Present geometry and problem solving lessons to 4th and 5th grade classes

2004-2022

Math Science and U – girl’s conference

1998-2007

Burkburnett Middle School – Burkburnett, TX

- Presented geometry, problem solving, and fraction lessons to 7th grade classes

1996-2004

Wichita Falls Episcopal School – Wichita Falls, TX

- Presented geometry, problem solving, and instruction lessons to 6th grade class