TEACHING CURRICULUM VITA

I. Academic/Professional Background

A. Name: Shane Lowe Title: Professor of Instruction

B. Educational Background

Degree	Year	University	Major	Thesis/Dissertation
Master of Education	2011	Texas State University-San Marcos	Secondary Education - Minor in Mathematics	n/a
Bachelor of Science	2003	University of Texas at Austin	Mathematics	n/a

C. University Experience

Position	University	Dates
Professor of Instruction	Texas State University – San Marcos	August 2024 – Present
Senior Lecturer	Texas State University – San Marcos	August 2019 – July 2024
Lecturer	Texas State University – San Marcos	January 2012 – July 2019
Graduate Instructional Assistant	Texas State University – San Marcos	August 2011 – December 2011
FOCUS Mathematics Tutor	Texas State University – San Marcos	July 2011 – August 2011

D. Relevant Professional Experience

Position	Entity	Dates
7th grade Mathematics Tutor / Substitute Teacher	John P. Ojeda Middle School – Del Valle ISD	October 2008 – May 2011

II. TEACHING

A. Teaching Honors and Awards:

2019 – Mathematics Department Teaching Excellence Award
2019 – Alpha Chi National College Honor Society Favorite Professor Award

B. Courses Taught:

MATH 1300 – Basic Algebra (Large Lecture portion)
MATH 1300 – Basic Algebra (Lab section)

MATH 1311 – Intermediate Algebra (Large Lecture portion)
MATH 1311 – Intermediate Algebra (Lab section)
MATH 1311 – Intermediate Algebra (FOCUS – before co-requisite courses)
MATH 1311 – Intermediate Algebra (Co-requisite section for Math 1315 And Math 1312)

MATH 1315 – College Algebra (sections from 40-400 students)
MATH 1315 – College Algebra (9-month/6-month Correspondence)
MATH 1315 – College Algebra (FOCUS – before co-requisite courses)
MATH 1315 – College Algebra (Co-requisite section)
MATH 1315 – College Algebra (8-week Accelerated Online)

MATH 1316 – Survey of Contemporary Mathematics
MATH 1316 – Survey of Contemporary Mathematics (Co-requisite section)
MATH 1316 – Survey of Contemporary Mathematics (6-month correspondence course)

MATH 1319 – Mathematics for Business and Economics I

MATH 1329 – Mathematics for Business and Economics II

MATH 2311 – Principles of Mathematics

MATH 2312 – Informal Geometry

MATH 2321 – Calculus for Life Sciences I

MATH 2417 – Precalculus

C. Courses Prepared and Curriculum Development:

Math 1300 – Basic Algebra. Developed and updated lesson plans that were implemented between Fall 2012 and Fall 2016.

Math 1311 – Intermediate Algebra. Developed and updated lesson plans that were implemented between Fall 2012 and Fall 2016.

Math 1311/1315 Corequisite with Intermediate Algebra and College Algebra. Developed and implement in Fall 2017. Continually updated and adjusted lesson plans and the scope and sequence between Fall 2017 – Present.

Math 1315 – College Algebra FOCUS. Developed and updated lesson plans and the scope and sequence for a developmental mathematics and college algebra corequisite course. This curriculum was dispersed and used by approximately 14 institutions between Fall 2012 and Spring 2014.

Math 1315 – College Algebra. Designed and implemented an asynchronous online course for correspondence students. This course has been running since January 2019.

Math 1315 – College Algebra. Designed and implemented an asynchronous online course for the accelerated online program. This course has been taught since the fall 2024 semester.

Chair of the Math 1315 Common Final Committee. This committee developed and updated the common final exam questions for Math 1315 between Fall 2019 and present.

Leading a group to create and develop a test bank of question for Math 1315. (Questions for the first Math 1315 test were released to the forum in the spring of 2026.)

Developed and shared course materials (course notes, class activities, tests, etc.) for Math 1300, Math 1311, Math 1315, Math 1316, Math 1319, Math 1329, and Math 2417.

III. SCHOLARLY/CREATIVE

A. Works in Print

B. Works not in Print

1. Workshops

Mireles, S., Westbrook, T., **Lowe, S.,** et al. (2011). Workshop for 14 institutions participating in the Complete College America (CCA)-FOCUS grant. In Austin, TX. October 2011

Mireles, S., Westbrook, T., **Lowe, S.,** et al. (2012). Workshop for institutions participating and/or interested in the Complete College America (CCA)-FOCUS grant. In Austin, TX. October 2012

Mireles, S., Westbrook, T., & **Lowe, S.** Professional development workshop for developmental education instructors. El Paso Community College. July 2012.

Mireles, S., Westbrook, T., **Lowe, S.,** et al. (2012). Workshop for institutions participating and/or interested in the Complete College America (CCA)-FOCUS grant. In Austin, TX. March 2012

Westbrook, T. and **Lowe, S**. 2012 Texas Corequisite Conference presentation: "Curriculum Alignment in Corequisites: AKA 'Plate Spinning'," In Austin, TX. Fall 2019.

Lowe, S. Professional development workshop (3 meetings) for corequisite course instructors. Alamo Community Colleges - Palo Alto campus. Fall 2023.

2. Grants

Shroff, P. and **Lowe, S**. (2022) Affordable Materials Grant from Texas State. This grant was used to investigate the use of an open-source textbook in Math 1315.

IV. SERVICE

A. Mentor

Developed and presented topics for the Department of Mathematics' Instructional/Teaching Assistant Workshops held before each fall and spring semesters. (Spring 2012-Fall 2013)

Mentored FOCUS developmental mathematics student (Summer 2012)

Mentored lecturers, assistant professors of instruction, and associate professors of instruction since 2020.

B. Service Honors and Awards:

2023 – Mathematics Department Service Excellence Award

C. Organizations/Committees

Fall 2017 – Present: Served on the Developmental Mathematics Advisory Committee. Chosen as a co-chair of the committee in Fall 2020.

Fall 2022 – Present: Served on the Developmental Education Advisory Committee (university).

Spring 2026 – served on the College Review Group (college of science and engineering).