

Vanessa Coffelt

Lecturer, Mathematics Department

Education

M.S. in Mathematics, Kansas State University, 2005

B.S. in Secondary Education, Concentration in Mathematics, Concordia University, NE, 2000

Experience

Aug. 2018 – Present, Lecturer, Texas A&M Mathematics Department

Aug. 2016 – July 2018, Bryan Mathematics Department Head, Blinn College

2008 – 2018, Full-time Mathematics Instructor, Blinn College

2007 – 2008, Part-time Mathematics Instructor, Blinn College

2007 – 2008, High School Mathematics Teacher, Navasota High School

2005 – 2007, Center Director, Sylvan Learning Center, Brenham

2004 – 2005, Part-time Mathematics Instructor, Highland Community College

2003 – 2005, High School Mathematics Teacher, Wamego High School

2001 – 2003, Graduate Student and Teaching Assistant, Kansas State University

2000 – 2001, High School Mathematics Teacher, Luther High School North

Recent Courses Taught

Spring 2021

MATH 140 – Mathematics for the Business and Social Sciences (2 sections with TSI and 1 jumbo section/ 420 students), synchronous online

Fall 2020

MATH 140 – Mathematics for the Business and Social Sciences (2 jumbo sections with TSI/ 450 students), hybrid

Spring 2020

MATH 140 – Mathematics for the Business and Social Sciences (2 jumbo sections with TSI/ 500 students)

Fall 2019

MATH 140 – Mathematics for the Business and Social Sciences (2 jumbo sections/ 600 students)

Spring 2019

MATH 147 – Calculus I for Biological Sciences (1 lecture section/ 100 students)

MATH 150 – Functions, Trigonometry, and Linear Systems (3 lecture sections/ 275 students)

Fall 2018

MATH 147 – Calculus I for Biological Sciences (1 lecture section/ 75 students)

MATH 150 – Functions, Trigonometry, and Linear Systems (3 lecture sections/ 360 students)

Courses Taught at Blinn College

MATH 0308 – Pre-Algebra with Lab

MATH 0309 – Pre-Algebra without Lab

MATH 0310 – Beginning Algebra

MATH 0312 – Intermediate Algebra

MATH 1314 – College Algebra

MATH 1316 – Plane Trigonometry

MATH 1324 – Mathematics for the Business and Social Sciences

MATH 1325 – Calculus for Business and Social Sciences

MATH 1332 – Contemporary Mathematics

MATH 1342 – Elementary Statistical Methods, asynchronous online, blended, and in - person

MATH 1350 – Mathematics for Teachers I (Fundamentals of Mathematics I), asynchronous online and in - person

MATH 1351 – Mathematics for Teachers II (Fundamentals of Mathematics II), asynchronous online and in - person

MATH 1414 – College Algebra for Engineers

MATH 2412 – Pre-Calculus Math

MATH 2413 – Calculus I, asynchronous online and in - person

MATH 2414 – Calculus II

MATH 2415 – Calculus III

Recent Honors and Awards

Spring 2021 – Outstanding Service Award, Department of Mathematics, Texas A&M University

Departmental Service Activities

Summer 2021 – Present

- Program Co-Coordinator for Undergraduate and Graduate Mathematics Programs with Angie Allen, writing Academic Programming Assessments for each of the three undergraduate programs and three graduate programs in the department

Spring 2021

- Provided technology support to faculty, with Justin Cantu, by creating trainings about Canvas, Gradescope, Honorlock, and eCampus. Held weekly hours to answer questions regarding technology used in teaching online.
- Assisted in hiring and scheduling Business Math Teaching Assistants (BMTAs)

Fall 2020

- Provided technology support to faculty, with Justin Cantu, by creating trainings about Zoom, eCampus, and Gradescope (Ben Lynch). Held weekly hours to answer questions regarding technology used in teaching online. Set up and moderated weekly forums for instructors to share their experiences in teaching online.

Spring 2020

- Created online materials, including closed-captioned lecture videos, discussion forums, and weekly course modules, for all MATH 140 Spring sections when all courses went online.
- Co-mentored 2 graduate students in teaching MATH 140

Fall 2019

- Proctored Make-up Exams for the Mathematics Department
- Mentored a graduate student and a new APT faculty member in teaching MATH 140

Spring 2019

- Proctored Make-up Exams for the Mathematics Department
- Helped with the Math and Stat Fair

Fall 2018

- Proctored Make-up Exams for the Mathematics Department

Committees

May 2021- present

Member of the College of Science Canvas Support Team

Spring 2021

Member of the TAMU Polling/Student Response Systems Task Force

Fall 2019 – present

Member of the TAMU Mathematics Department APT committee

Scholastic Activity

University/Local (Grants)

Whitfield, J. (PI), Texas A&M University, Open Education Resource Grant, Widening Access for all Students in MATH 140 and MATH 142 with Low- or No-cost Open Education Resources, \$100,000, June 2019 – May 2022. Senior Personnel: Allen, A., Bollinger, K., **Coffelt, V.**, Kilmer, K., Lynch, R., Orchard, P., Shields, S.

Whitfield, J. (PI), Texas A&M University, Enhancing the Design of Gateway Experiences (EDGE) Grant, Increasing Student Success in Gateway Courses for the Applied Calculus Course Sequence, \$290,500, January 2019 – May 2022. Senior Personnel: Allen, A., Bollinger, K., **Coffelt, V.**, Orchard, P., Shields, S.

Conference Presentations

Shields, S., Allen, A., Bollinger, K., **Coffelt, V.**, Herbert, B., Orchard, P., & Whitfield, J. (2020, November). *Customizing Textbooks without Publishers: Empowering MATH Faculty to Create an Open Educational Resource (OER)*. Presented as a 10-minute asynchronous Lightning Talk at the 2020 Open Education Conference. <https://www.youtube.com/watch?v=qRgh911qtPs&t=27s>

Shields, S., Allen, A., Bollinger, K., **Coffelt, V.**, Orchard, P., Whitfield, J., Scott, T., & Oswald, E. [TAMU Math Department]. (2020, October 30). *OpenSource TAMU Final* [Video]. YouTube. <https://www.youtube.com/watch?v=qRgh911qtPs&t=27s>

Whitfield, J., Shields, S.M., & Herbert, B. (2020, September). *Customizing textbooks without publishers: Empowering MATH faculty to create an open educational resource (OER)*. Presented via Zoom at the 2020 Texas A&M Chancellor's Summit on Academic Technology. Contributing Presenters: Allen, A., Bollinger, K., **Coffelt, V.**, Orchard, P.

Allen, A., Bollinger, K., **Coffelt, V.**, Herbert, B., Orchard, P., Shields, S., & Whitfield, J. (2020, April). *Opening the Door to Math: Making Math Accessible Through Open Education Resources*, TAMU Transformation Teaching & Learning Conference (TTLC), College Station, TX. (Conference cancelled because of COVID)

Coffelt, V. (2016, November). *Elevating Expectations*, 40th American Mathematical Association of Two-Year Colleges (AMATYC), Denver, CO.

Coffelt, J., **Coffelt, V.** (2015, March). *iCheat*, 27th International Conference on Technology in Collegiate Mathematics (ICTCM), Las Vegas, NV.

Coffelt, J., **Coffelt, V.** (2014, November). *Creating Multiple Choice Questions in Calculus Courses*, 40th American Mathematical Association of Two-Year Colleges (AMATYC), Nashville, TN.

Coffelt, J., **Coffelt, V.** (2014, November). *If at First You Don't Succeed, Integrate Again*, 40th American Mathematical Association of Two-Year Colleges (AMATYC), Nashville, TN.

Coffelt, J., **Coffelt, V.** (2013, November). *Stop the Zombie (Calculator) Apocalypse*, 39th American Mathematical Association of Two-Year Colleges (AMATYC), Anaheim, CA.

Coffelt, J., **Coffelt, V.** (2013, November). *Notable Notes*, 39th American Mathematical Association of Two-Year Colleges (AMATYC), Anaheim, CA.

Coffelt, J., **Coffelt, V.** (2012, November). *iCheat*, 38th American Mathematical Association of Two-Year Colleges (AMATYC), Jacksonville, Florida.

Coffelt, J., **Coffelt, V.** (2011, November). *iCheat*, 37th American Mathematical Association of Two-Year Colleges (AMATYC), Austin, TX.

Textbooks

Allen, A., Orchard, P. (2021). *Calculus for Business and Social Sciences*. Texas A&M University Libraries OAKTrust. (link coming soon). Contributing Authors: Bollinger, K., **Coffelt, V.** (Design)

Bollinger, K., & **Coffelt, V.** (2020). *Mathematics for Business and Social Sciences*. Texas A&M University Libraries OAKTrust. <https://hdl.handle.net/1969.1/188687>.

Miller, J., & Gerken, D. (2017). *College Algebra & Trigonometry*. Third Ed. McGraw-Hill. Acknowledgements: **Coffelt, V.** (Wrote Stepped-Out Solutions for online trigonometry homework sets for Connect Math Hosted by ALEKS.)

Coburn, J., & Coffelt, J. (2014). *College Algebra Essentials*. Third Ed. McGraw-Hill. Digital Contributor: **Coffelt, V.** (Created online homework sets for Connect Math Hosted by ALEKS and Wrote Stepped-Out Solutions for online homework problems.)

Coburn, J., & Coffelt, J. (2014). *College Algebra*. Third Ed. McGraw-Hill. Digital Contributor: **Coffelt, V.** (Created online homework sets for Connect Math Hosted by ALEKS and Wrote Stepped-Out Solutions for online homework problems.)

Textbook Resources

Bollinger, K., & **Coffelt, V.** (2021) *Math 140 Course Binder*. Texas A&M University. (The binder included checkpoints for understanding, groupwork assignments, practice exams for students, and a core curriculum assignment.)

Coffelt, V. (2021) 32 Lecture Videos for Math 140. Texas A&M University. (Lecture videos are assigned to all students completing Mathematics for the Business and Social Sciences at Texas A&M University.)

Bollinger, K., & **Coffelt, V.** (2020) *A Companion to Mathematics for Business and Social Sciences*. Texas A&M University. (Student lecture notes for Mathematics for Business and Social Sciences.)

Memberships

August 2008 – August 2019

Member of American Mathematical Association of Two-Year Colleges (AMATYC)

November 2009 – November 2011

Fellow in AMATYC Project ACCCESS (A mentoring and professional development initiative for new community college faculty.)