



East Texas A&M University

Curriculum Vita

Instructor: Debra Newton
Academic Department: Mathematics

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EDUCATION

Texas A&M University - Commerce, Master of Science. Dec. 2008.
Major-Education,
Minor in Mathematics

T Texas A&M University - Commerce, Bachelor of Science. Dec. 2000.
Major-Mathematics

TEACHING EXPERIENCE

August 2009 to Present

Instructor of Mathematics. Texas A&M University – Commerce
Teach classes such as: Intermediate Algebra, College Algebra,
Mathematics Application and Philosophy, Mathematics for
Business Applications I, Mathematics for Business Applications II,
Elementary Statistical Methods, Pre-Calculus, Topics in
Mathematics for Elementary Teachers I, Topics in Mathematics for
Elementary Teachers II, Mathematical Modeling of Science for
Middle School I, Mathematical Modeling of Science for Middle
School II, and Math Structures & Applications.
Work with the campus SI director and program to provide my
students with extra opportunities to learn and achieve.
Work with students with disabilities and help them succeed in the
classroom through various modifications.
Incorporate the use of technology into my lessons.
Develop tests and materials for use with my classes.

Work with colleagues to modify curriculum and to develop more “hands on” approaches to learning mathematics, including incorporating real world projects into the curriculum.

Served as a faculty member and a team leader for project DREAM, a grant project which involved developmental math students doing community service projects as a part of their course work during the 2010-2011 and 2011-2012 academic years.

Served as the College Algebra coordinator for the mathematics department for 2 years.

Currently serve as the Business Math I and Business Math II coordinator for the Mathematics Department.

Serve on the Mathematics Department Assessment Committee, which is responsible for SACS assessment reporting for the mathematics department.

Serve as committee chair on the Mathematics Awards Committee.

Serve on the Mathematics Department Scholarship Committee.

Serve as a member of the National Association for Developmental Education (NADE) and have attended national conferences in 2011, 2012, 2014, and 2018.

Attended conferences on College Readiness and the First Year Experience in 2012.

- August 2016 to May 2022** Adjunct instructor Grayson College (dual credit).
Taught College Algebra and Elementary Statistical Methods.
Develop content, tests and other material.
- August 2004- May 2009** Instructor of Mathematics. Leonard High School. Leonard, TX
Taught subjects such as Algebra 1, Algebra 2, Geometry, Pre-Calculus, Calculus and Computer Science. Devised scope and sequence and lessons.
Tutored students before and after school.
Integrated technology into the classroom.
Worked with students with various disabilities and modified instruction and curriculum to accommodate these students.
Developed benchmark TAKS tests.
Desegregated TAKS data to determine the probable status of the school’s rating.
Served as mathematics department head for 2 years.
Mentored new teachers and monitored their performances.
Served on several site based committees
Served as the senior class sponsor and Beta Club sponsor.
- 2001-2002** Graduate Assistant. Texas A&M University - Commerce
Taught Intermediate Algebra and College Algebra.
Tutored struggling students after class.
Developed tests and materials for use with my classes

RESEARCH GRANTS, AWARDS, AND NOTEABLES

From 2023-2025: Faculty member on the College Readiness Success Models 2023 grant from THECB. Member of the Developmental Education Advisory Council formed through the grant. Participated in quarterly meetings to discuss issues arising around developmental Math and English. Participated in summer revisions of curriculum in First Year Math, as sponsored by the grant.

Received The Texas A&M Teaching Excellence Award, which recognizes the top teachers for all 11 of the A&M System universities in Fall 2010.

PUBLICATIONS

ADMINISTRATIVE EXPERIENCE