Douglas Ray

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Curriculum Vita

Teaching and Service

Texas State University – 2007 to 2021 – Senior Lecturer

Taught the following courses: College Algebra (both small classroom and large lecture settings), Precalculus (both small classroom and large lecture settings), Calculus I, Survey of Contemporary Mathematics, Mathematics for Business and Economics I and II, Calculus for Life Sciences I and II, Trigonometry.

Developed online interactive demos for Precalculus, incorporating Geogebra modules and Javascript for feedback, to jump-start lectures in class.

Led the Precalculus Teaching Forum – Organized biweekly discussions on how to teach precalculus topics and developed the common final exam for the department.

Mentored Lecturers and Graduate Students to develop their teaching skills.

Nominated for Presidential Award for Excellence in Teaching

Received Department's Award for Service.

Committee Work – textbook selection committees (multiple times), final exam committees (multiple courses), common final exam questions design (multiple)

Iowa State University – 2002 to 2006 – Graduate Student

Taught the following courses as Instructor of Record (not TA): Calculus I, Calculus II, and Trigonometry

Received Teaching Award for Graduate Student.

Recent Presentations

Ebola Outbreak in Western Africa, 2014 (International Conference for Technology in Collegiate Mathematics, 2017)

Flip This Class (International Conference for Technology in Collegiate Mathematics, 2017)

Other Scholarly Works

Numerous practice, invitational, and competition tests and workbooks for UIL and PSIA, including Number Sense, Calculator Applications, and Mathematics.

Other Skills

LaTeX, Javascript (React), PHP, HTML, CSS, Python, Adobe Products (Illustrator, Photoshop, InDesign), Office Products (Word, Excel, PowerPoint), LMS (Blackboard, Canvas, Sakai); Some Spanish and German