

Professional Work Experience

Texas A&M University, Department of Mathematics

Instructional Assistant Professor

September 2014 – Present

Courses Taught

Math 142 – Business Calculus – *Fall 2022, Spring 2022, Spring 2021, Spring 2020, Spring 2018, Spring 2017, Spring 2016, Spring 2015, Fall 2014*

- Each semester I taught three or four sections of 100 students each or 2 jumbo sections of 200-300 students each of this 3-hour course taken by students of a wide variety of majors and incoming math abilities.

Math 147 – Calculus for Biological Sciences – *Fall 2021, Fall 2020*

- Each semester I taught three or four sections of 100 students each of this 4-hour course taken by Biology Majors or closely related majors.
- Each week, the students were with me for “lecture” for two 75-minute sessions and with their assigned graduate TA for two 50-minute recitations. I was responsible for leading/creating activities for all four sessions every week and overseeing and guiding the graduate students who led the recitation sessions.

Math 140 – Mathematics for Business and Social Sciences – *Fall 2019, Spring 2019, Fall 2018, Fall 2017*

- Each semester I taught three or four sections of 100 students each or 2 jumbo sections of 200-300 students each of this 3-hour course taken by students of a wide variety of majors and incoming math abilities.

Math 141 – Finite Mathematics – *Fall 2016, Fall 2015*

- Each semester I taught three or four sections of 100 students each or 2 jumbo sections of 200-300 students each of this 3-hour course taken by students of a wide variety of majors and incoming math abilities.

Honors Math 141 – Finite Mathematics – *Fall 2014*

- I taught 1 section of approximately 25 students in this four-hour course where I was completely responsible for the two 75-minute lecture sessions and the 50-minute lab session each week.
- I created both the lectures and the computer lab assignments to expand upon the mathematical concepts taught in the classroom.

Departmental Activities

Math 142 Course Coordinator – *Fall 2022*

- Met with all 142 instructors at the beginning of the semester to provide guidance and answer questions.
- Led weekly meetings for all 142 instructors throughout the semester to provide guidance on practices needed for successful instruction
- Reviewed syllabi and exams for all instructors to ensure consistency from section to section

Academic Professional Track Teaching Committee Member – *Fall 2022, Spring 2022, Fall 2021*

- Observed the teaching of colleagues and wrote teaching reports for their files.

Make-up Exam Proctor – *Fall 2022, Spring 2022, Fall 2021, Fall 2019, Spring 2019, Fall 2018*

- Volunteered twice during each semester to administer the departmental make-up exams.

Subcommittee L&I Committee Member – *Spring 2022*

- Reviewed all faculty member files at the rank of Lecturer to determine who is eligible and was recommended for promotion.
- Involved in the entire promotion process for those Lecturers that are moving forward with the recommended promotion.

Math 142 Week-in-Review Instructor – *Spring 2022, Spring 2021*

- Met weekly via Zoom with students to review concepts taught the previous week.
- Created problem sets that aligned with the course notes and textbook to help students learn the material.

Mathematics and Statistics Fair Volunteer – *Spring 2022, Spring 2020, Spring 2019*

- Played math games with children to help spark/increase their interest in math.

Math 168 Course Coordinator – *Fall 2020*

- Met with all 168 instructors at the beginning of the semester and every week of the semester to provide guidance and answer questions.
- Reviewed materials such as syllabi and exams to ensure equity among all sections.

Math 142 EDGE Grant / OER (Open Educational Resources) Project – *Spring 2020, Fall 2019*

- Contributing Author for Math 142 OER Textbook.
- Met weekly with 142 OER working group.
- Met bi-weekly with Center for Teaching Excellence Consultant.

Math 142 Course Coordinator – Spring 2020

- Met with all 142 instructors at the beginning of the semester to provide guidance and answer questions.
- Met weekly with mentees during the semester.
- Led the group of 142 instructors through the transition to online teaching during the COVID-19 Pandemic.
- Learned how to code exam problems in WebAssign using the programming language, Perl.
- Learned how to teach through Zoom and record Lecture Videos via Camtasia.

Math 140 and Math 142 Textbook Committee – Spring 2019

- Reviewed textbooks to determine the best fit for our courses.
- Determined there was no suitable fit and therefore recommended the creation of OER textbooks for these courses.

Non-STEM Core Committee Member – Spring 2019, Fall 2018, Spring 2018, Fall 2017, Spring 2017, Fall 2016

- Met at least a few times each semester to discuss issues that arose that affected the APT faculty or the courses we predominately taught.

Math 140 Course Coordinator – Spring 2019

- Provided guidance to all Math 140 instructors by meeting with them at the beginning of the semester and throughout the semester, as needed.
- Reviewed materials for all instructors including syllabi and exams to ensure consistency among all sections.

Hired all BMTAs for Math 140 and Math 142 – Spring 2019

- Contacted strong students from previous semesters to urge them to apply.
- Conducted interviews to find the best candidates.
- Worked with departmental staff to hire the chosen candidates and assign them to instructors.

Math 140 Course Coordinator and Week-in-Review Instructor – Fall 2018, Fall 2017

- Provided guidance to all Math 140 instructors by meeting with them at the beginning of the semester and throughout the semester, as needed.
- Reviewed materials for all instructors including syllabi and exams to ensure consistency among all sections.
- Provided a two-hour review session each week for all Math 140 students to work through problem sets that I created and posted online to review concepts that were taught the previous week.

Math 142 Course Coordinator and Week-in-Review Instructor – Spring 2018

- Provided guidance to all Math 142 instructors by meeting with them at the beginning of the semester and throughout the semester, as needed.
- Reviewed materials for all instructors including syllabi and exams to ensure consistency among all sections.
- Provided a two-hour review session each week for all Math 142 students to work through problem sets that I created and posted online to review concepts that were taught the previous week.

Brown-Bag Lunch Series Presentation – December 2017

- “*The First Day of Class – What Tone are we Setting for the Semester?*” Abstract: People always talk about how important first impressions are. It is important for us, as teachers, to reflect about the first impression that we make with our students. I truly believe that the first day of class makes a big impact on our students’ mindsets throughout the semester. In this discussion, it is my hope that we can all reflect on how we run our first day of class and the impact it has on our students.

Math 141/142 Jumbo Course Coordinator – Spring 2017, Fall 2016, Spring 2016, Fall 2015, Spring 2015

- Oversaw the hiring of Business Math Tutorial Assistants and coordinated and guided instructors in the development of course materials.

University Activities

Transformational Teaching and Learning Conference Poster Presentation – April 2018

- Presented a Poster at TAMU’s First Annual TTL Conference.
- Discussed with others my plans to improve student engagement through groups in my large classes.

Student Success Faculty Fellows Program – 2017 – 2018

- Went through numerous trainings to reflect/learn so that I could improve my teaching methods.
- Met frequently with a Center for Teaching Excellence Consultant to discuss my plan to improve my teaching.
- Developed a plan to improve student engagement in my classes.

TAMU Disability Services Faculty Advisory Board Member – Spring 2016 – Fall 2017

- Collaborated with the director of Disability Services each semester to keep an open dialogue between faculty and the Disability Services office.

Primary Faculty Advisor for Best Buddies – Fall 2014 – Spring 2017

- Served as the primary student officer point of contact for Best Buddies, a student organization that pairs Texas A&M students with adults in the Bryan/College Station community that have an intellectual or developmental disability to create a one-to-one friendship.

Senior Lecturer Courses Taught

September 2010 – September 2014

Math 141 – Business Mathematics I – Spring 2014, Fall 2013, Spring 2013, Fall 2012, Fall 2011, Summer 2011, Fall 2010

- Each semester I taught three or four sections of 100 students each or 2 jumbo sections of 200-300 students each of this 3-hour course taken by students of a wide variety of majors and incoming math abilities.

Math 131 – Mathematical Concepts – Calculus – Spring 2012, Spring 2011

- Each semester I taught three or four sections of 100 students each of this 3-hour course taken by students of a wide variety of majors and incoming math abilities.

Departmental Activities

Math 141 and 142 Jumbo Course Coordinator – Spring 2014, Fall 2013

- Oversaw the hiring of Business Math Tutorial Assistants and coordinated and guided instructors in the development of course materials.

Math 141 Week-in-Review Leader – Spring 2013, Fall 2012, Fall 2011

- Met weekly with students to review concepts taught the previous week.
- Created problem sets that aligned with the course notes and textbook to help students learn the material.

Math 131 Week-in-Review Leader – Spring 2012, Spring 2011

- Met weekly with students to review concepts taught the previous week.
- Created problem sets that aligned with the course notes and textbook to help students learn the material.

Lecturer Core Curriculum Committee Member – Spring 2012, Fall 2011, Spring 2011, Fall 2010

- Advised the associate head and assistant head on issues which affect lecturers and the teaching of core-curriculum classes.

Online Resources Organizer – Summer 2011

- Organized existing resources for Math 141 within WebAssign.
- Explored resources for the new Math 142 textbook and gave recommendations.

Math 131 Course Coordinator – Spring 2011

- Provided guidance to all Math 131 instructors by meeting with them at the beginning of the semester and throughout the semester, as needed.
- Reviewed materials for all instructors including syllabi and exams to ensure consistency among all sections.

Math 141 Curriculum Committee Member – Spring 2011

- Reviewed the weekly course schedule and made recommendations on how to improve it.

Math 142 Resource Committee Member – Spring 2011

- Reviewed textbook options that would give our students more online resources.

University Activities

TAMU Disability Services Faculty Advisory Board Member – Spring 2012 – Spring 2014

- Collaborated with the director of Disability Services each semester to keep an open dialogue between faculty and the Disability Services office.

Primary Faculty Advisor for Best Buddies – Fall 2010 – Spring 2014

- Served as the primary student officer point of contact for Best Buddies, a student organization that pairs Texas A&M students with adults in the Bryan/College Station community that have an intellectual or developmental disability to create a one-to-one friendship.

Participant in eCampus Grade Submission Pilot Project – Fall 2013

- Provided feedback on the process of submitting grades automatically to Howdy.

Lecturer

January 2004 – September 2010

Courses Taught

Math 141 – Business Mathematics I – Spring 2010, Fall 2008, Summer 2008, Fall 2007, Fall 2006, Fall 2005, Summer 2005, Spring 2005, Fall 2004, Summer 2004, Spring 2004

- Each semester I taught three or four sections of 100 students each of this 3-hour course taken by students of a wide variety of majors and incoming math abilities.

Math 166 - Topics in Contemporary Mathematics II – Summer 2009, Summer 2008, Spring 2008, Fall 2005, Summer 2005, Fall 2004, Spring 2004

- Each semester I taught three or four sections of 100 students each of this 3-hour course taken by students of a wide variety of majors and incoming math abilities.

Math 366 - Structure of Mathematics II – Summer 2009, Summer 2008

- Each summer I taught one section of approximately 30 students each of this 3-hour course taken by students who aspired to teach mathematics.

Math 142 – Business Mathematics II – Spring 2009, Spring 2006

- Each semester I taught three or four sections of 100 students each of this 3-hour course taken by students of a wide variety of majors and incoming math abilities.

Honors Math 166 – Topics in Contemporary Mathematics II – Fall 2008

- I taught 1 section of 20-30 students in this four-hour course where I was completely responsible for the two 75-minute

lecture sessions and the 50-minute lab session each week.

- I created both the lectures and the computer lab assignments to expand upon the mathematical concepts taught in the classroom.

Honors Math 141 - Honors Business Mathematics I – Fall 2007

- I taught 1 section of 20-30 students in this four-hour course where I was completely responsible for the two 75-minute lecture sessions and the 50-minute lab session each week.
- I created both the lectures and the computer lab assignments to expand upon the mathematical concepts taught in the classroom.

Math 131 - Mathematical Concepts – Calculus – Spring 2007

- I taught four sections of 100 students each of this 3-hour course taken by students of a wide variety of majors and incoming math abilities.

Math 152 - Calculus II – Summer 2006

- I taught the second half of this four-hour course for engineering students.
- I was responsible for leading/creating activities for lecture, lab, and recitation every week and overseeing and guiding the graduate students who led the recitation sessions.

Departmental Activities

Lecturer Core Curriculum Committee Member – Summer 2010

- Advised the head and associate head on issues which affect lecturers and the teaching of core-curriculum classes.

Math 141 Course Coordinator – Spring 2010

- Hired and supervised course help session leaders and coordinated course instructors in the development of course materials.

Math 142 Computer Homework Developer – Fall 2009

- Edited and coded Math 142 homework assignments.

Math 142 Computer Homework Reviewer – Summer 2009

- Reviewed and gave feedback to the writer of the new Math 142 computer homework assignments to help make them more user friendly.

Math 150 Textbook Editor – Summer 2009

- Reformatted the textbook to make it easier to use for the students and to enable it to be used through WebAssign.

Math 142 Course Coordinator – Spring 2009

- Hired and supervised course help session leaders and coordinated course instructors in the development of course materials.

Success in Core Math Courses Committee Member – Spring 2009

- Led a discussion with the math department to determine what can be done to improve the success rate in our department's core courses.

Online Homework Policy Committee Member – Spring 2009, Fall 2008

- Discussed the use of computer homework in the Math Department's core classes.
- Met with WebAssign staff to ensure a smooth transition to the WebAssign product.

Math 141 Credit-by-Exam Committee Member – Fall 2008

- Worked with other instructors to determine the content of the Math 141 Credit-by-Exam.

Enhancements to the Curriculum of Math 166 – Fall 2008

- Assisted in editing the new course textbook and helped create and edit the course computer homework assignments.

Math 166 Course Coordinator – Spring 2008

- Hired and supervised course help session leaders and coordinated course instructors in the development of course materials.

Math 166 Week-in-Review Leader – Spring 2008

- Provided weekly course review sessions for students and created a final exam review with streaming video solutions.

Math 131 Textbook Committee Member – Spring 2008, Spring 2007

- Reviewed textbooks and collaborated with other instructors to determine the most suitable textbook for the course.

Math Diagnostic Exam Editor – Summer 2007, Fall 2006

- Created a spreadsheet to provide links from each diagnostic question to available help in the WebAlg course.
- Created feedback that the students would receive after taking the diagnostic exam.
- Created graphics to aid in placing the diagnostic exam online.

Math 141 Week-in-Review Leader – Fall 2006

- Provided weekly course review sessions for 2,693 students and created a final exam review with streaming video solutions.

Math 150 WebAlg Conversion Project – Summer 2006

- Converted an online course created in Scientific Notebook to HTML and PDF files so that the course could be accessed by anyone.

Math 141 Textbook Committee Member – Spring 2006

- Reviewed textbooks and collaborated with other instructors to determine the most suitable textbook for the course.
- Math 141 and Math 166 Aggie Access Labs – Fall 2005**
- Hired and supervised two undergraduates who oversaw the recitation sessions for the students.
- Math 141, 142, and 166 Streaming Video Solutions – Summer 2005, Spring 2005**
- Created streaming video solutions for suggested homework problems.

University Activities

Texas A&M University Disability Services Comprehensive Program Review Faculty Interview – Spring 2009

- Provided feedback concerning the Disability Services office.

Teaching First-Year Students Faculty/Staff Learning Community – Spring 2009, Fall 2008

- Met with colleagues to discuss how to better reach our first-year students.

Wakonse South Conference on College Teaching – Spring 2009

- Attended the weekend conference to learn ways to better reach my students.

Educational Testing Service – College Board AP Calculus Reader

June 2010 – June 2022

- Selected to participate in the annual reading and scoring of the College Board’s Advanced Placement Calculus Examinations
- Each summer, I spent a week in Kansas City, Missouri helping to grade over 300,000 AP Calculus exams (Note: In 2020 and 2021, the reading was done virtually.)

Cengage Learning – Accuracy Reviewer Consultant

May 2019

- Thoroughly reviewed the Linear Programming Chapter (Chapter 3) of the textbook *Business Mathematics* by Tomastik/Epstien.
- Read through all content and worked all examples and exercises in the textbook.
- Provided edits to the textbook and the solutions manual to ensure that these resources could be as useful as possible for the students.

CengageNow Consultant

April 2006 – December 2008

- Worked on a variety of projects as requested to improve resources available to students.

Education

Texas A&M University

Master of Science in Mathematics	Grade Point Ratio – 3.896	2002 - 2003
Bachelor of Science in Applied Mathematical Sciences	Grade Point Ratio – 3.936	1998 – 2002

Honors and Recognitions

Texas A&M University

Student Employment Impact Award Nominee	April 2018
Finalist for Student Led Award for Teaching Excellence (SLATE)	Spring 2010
Aggie Access Namesake	2006-2007
The Outstanding Teaching Assistant Award	May 2003
AUF Fellow Award	August 2002
The Outstanding Mathematics Undergraduate Award	May 2002