

CONTACT INFORMATION

William Jacob Tschume
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EDUCATION

Mississippi State University, B.S. in Mathematics with Minor in Statistics,
Graduation: May 2010 Advisor: Dr. Paul Fabel
Mississippi State University, M.S. in Mathematics, Graduation: May 2012
Major Professor: Dr. Hai Dang, Committee Members: Dr. Len Miller & Dr. Chaunxi Qian
Mississippi State University, Current Ph.D. Student in Educational Leadership with
Concentration in Higher Educational Leadership, Major Professor: Dr. Christa Winkler

EDUCATION EMPLOYMENT HISTORY

Graduate Teaching Assistant in the Department of Mathematics and Statistics at MSU August 15, 2010, to May 15, 2012

My duties in the department consist of teaching freshman level mathematics courses, working in both of our math labs (one for freshman level classes that use MyMathLab and the one for the upper-level classes that use Mathematica and SAS), working in the Learning Center (tutoring center), and grading papers for the larger sections of Trig, Business Cal, and Cal 1.

Instructor in the Summer Developmental Program @ Mississippi State University May 16, 2012, to August 1, 2012

Thru the Summer Developmental Program at Mississippi State University, I taught MA 0003, which allowed students who did not have the ACT requirements to previously enroll in the university to gain acceptance into MSU for the Fall 2012 semester. (Coordinator Diane Daniels)

Lecturer of Mathematics, Mississippi State University August 16, 2012, to July 31st, 2015

Instructor of Mathematics, Mississippi State University August 1st, 2015, to Present

Teaching sections of MA 0103 (Intermediate Algebra), MA 1313 (College Algebra), MA 1323 (Trigonometry), MA 1613 (Business Calculus), MA 1713 (Calculus I), MA 1723 (Calculus II), MA 2733 (Calculus III), MA 3113 (Intro to Linear Algebra) and LSK 2990 (Math Enrichment) ranging from 45 students to 200 students.

Department Committees:

MA 1313 (August 2012 – July 2017)
MA 1323 (August 2012 – May 2021) *Chair (August 2013 – May 2020)
MA 1613 (August 2012 – present) *Co-Chair (August 2018 – present)
Calculus Course Committee (August 2015 – present)

Evaluation of Teaching Assistants Committee (August 2015 – present)
Departmental Assessment Committee (August 2018 – May 2021)
ECTC Committee (August 2022 – present)

Academic Advisor (August 2015 – present): I advise between 20-25 undergraduate mathematic majors for the department.

Coordinator of the Math Placement Test (Formerly the College Algebra and Precalculus Placement Test). (August 2014 – present): I work with students who do not have the sufficient ACT math sub-score to enter a respective class, that is needed to further themselves into their classes for their major, to take a placement test that, if passed, will allow students to place into a respective class. This will allow some students the opportunity to get ahead or stay on schedule in their mathematics course work.

College of Arts and Science Committees:

College of Arts and Sciences Scholarship Committee (August 2018 – Present): Responsibilities include helping determine who to award scholarship money to throughout the College of Arts and Sciences.

College of Arts and Sciences Courses and Curricula Committee (August 2021 – present, Chair August 2022 - present): Responsibilities include helping review proposals submitted by academic departments in the College of Arts and Sciences add, modify, or delete curricula and courses.

Mississippi State University Committees:

University Course and Curriculum Committee (August 2018 – December 2018): Responsibilities include helping review proposals submitted by academic departments and colleges to add, modify or delete curricula and courses.

Robert Holland Faculty Senate (September 2021 – December 2021): Responsibilities include being a channel of communications between the faculty of my college and the University President.

GRE Workshop Instructor, Mississippi State University thru The Learning Center August 2013 to present

I teach the mathematics portion of the GRE Workshop for The Learning Center. This focuses on students who have never taken the GRE before and giving them insight into the format of the test and also working some types of problems they will see. This workshop is held approximately 3-4 times a year. (Coordinator – Dr. Clay Armstrong)

GMAT Workshop Instructor, Mississippi State University thru The Learning Center August 2013 to present

I teach the mathematics portion of the GMAT Workshop for The Learning Center. This focuses on students who have never taken the GMAT before and giving them insight into the format of

the test and also working some types of problems they will see. This workshop is held approximately 2-3 times a year. (Coordinator – Dr. Clay Armstrong)

**Instructor for Early Start Program, Mississippi State University
Summer of 2013-21**

I also have taught a section of Trigonometry for the Early Start Program during the summers of 2013-21. This program is for incoming freshman that want to get a head start on their college education. It allows the students to get accustomed to college life while there are not as many students on campus. (Coordinator – Mrs. Stacey Dillard)

**Mentor for Day One Leadership Program, Mississippi State University
August 2019 – December 2019**

I mentor 4-6 freshmen students who are a part of the Day One Leadership Program. They are tasked with working with a Community Partner to complete service hours along with a service project that is approved by the Day One Program. I mentor them through issues that arise dealing with a non-MSU organization.

PROFESSIONAL QUALIFICATIONS

My computer experience includes me being qualified in all parts of Microsoft (Excel, Word, etc.), Mathematica (math program), SAS (statistics program), MyMathLab and MyLabs Plus (Pearson products for Homework/Quizzes/Tests in lower-level mathematics), and WebAssign (online HW system for the Calculus sequence at Mississippi State).

PROFESSIONAL MEMBERSHIPS

I am a member of the American Mathematical Society

I am a member of the MCMA (Mississippi Collegiate Mathematical Association)

TEACHING AWARDS (Receiving and Nominated)

Nominated and Finalist for the 2018 Alumni Association Early Career Undergraduate Teaching Excellence Award.

Nominated and Finalist for the 2019 Alumni Association Early Career Undergraduate Teaching Excellence Award.

Recipient of Mississippi State's College of Arts & Sciences 2020 Teaching Award in the Natural and Physical Sciences.

Recipient of Mississippi State's 2022 Grisham Master Teacher Award.

SELECTED PRESENTATIONS

Tschume, Jacob. *Success Using MyMathLab Beyond College Algebra*. Presentation at International Conference in Teaching Collegiate Mathematics held in Las Vegas, NV (March 2015).

Tschume, Jacob. *Using MOBI Technology for In Class and Online Instruction*. Presentation at International Conference in Teaching Collegiate Mathematics held in Atlanta, GA (March 2016).

Tschume, Jacob. *Keeping a Small Class Feel in a Large Classroom*. Presentation at International Conference in Teaching Collegiate Mathematics held in Chicago, IL (March 2017).

Tschume, Jacob and Walters, Kim. *Using a Coordinator Course in MyLabs Plus*. Presentation at International Conference in Teaching Collegiate Mathematics held in Chicago, IL (March 2017).

Tschume, Jacob. *Using Office Mix for Success in Online Courses*. Presentation at International Conference in Teaching Collegiate Mathematics held in Washington, D.C. (March 2018)

Tschume, Jacob. *Coordinator Courses in MyMathLab*. Presentation at International Conference in Teaching Collegiate Mathematics held in Scottsdale, AZ. (March 2019)

Tschume, Jacob. *ClassroomQ – A New Way of Answering Questions in Class*, Presentation at International Conference in Teaching Collegiate Mathematics held in Orlando, FL. (March 2020)

PROFESSIONAL DEVELOPMENT

Completed the course CTL – 101 (Best Practices in Online Instruction) in November 2016. This course was offered through the Center for Teaching and Learning at Mississippi State University and taught by Dr. Kris King.

Completed the “Teaching Portfolio” workshop offered through the Center for Teaching and Learning at Mississippi State University. The workshop was led by Dr. Michael Seymour.

INTERESTS

My interests include teaching at the university level to prepare students for the field of study that they plan on pursuing.

My interests also include developing new ways or bettering the ways that we teach classes at the university level, including the way we present the material to the students. Noticing the difference between teaching a 40-person class to teaching a 200-person class helps me recognize that you cannot present the material to a 200-person class that you would present it to a 40 person class.

I am also interested in bringing technology into the classroom while teaching mathematics classes.