

# Dr. Benton Tyler

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## Education

2005            Doctor of Philosophy, Mathematics, University of Mississippi  
2002            Master of Science, Mathematics, University of Mississippi  
2000            Bachelor of Science, Mathematics, Delta State University

## Work Experience

### *University of Montevallo*

#### Positions:

2016-present   Professor of Mathematics  
2011-2016      Associate Professor of Mathematics  
2005-2011      Assistant Professor of Mathematics

#### Classes Taught: († Denotes a class that was also taught online)

- Intermediate Algebra (Math 131)
- Pre-Calculus Algebra (Math 144) †
- Finite mathematics (Math 147)
- Pre-Calculus Trigonometry (Math 149)
- Pre-Calculus Algebra & Trigonometry (Math 150)
- The Nature of Mathematics (Math 154)
- Introduction to Statistics (Math 157)
- Basic Mathematics for Elementary Teachers I (Math 160)
- Basic Mathematics for Elementary Teachers II (Math 162) †
- Calculus I (Math 170)
- Survey of Mathematics (Math 185)
- Mathematics of Games (Math 202)
- Introduction to the History of Mathematics (Math 205)
- Introduction to Discrete Mathematics (Math 247)
- Introduction to Graph Theory (Math 287)
- Graph Theory (Math 387)
- Special Topics (Math 395)
- Directed Reading in Mathematics (Math 484)
- Senior Seminar (Math 485)
- History and Philosophy of Mathematics (Math 505)
- Special Topics (Math 595)
- Tabletop RPGs (GSD 295)

- Exploring Lego (Honors 308)
- Undergraduate Research (UR 300)
- Becoming 101 (UM 101)

Committee Work:

- Faculty Senate [2009-2014, 2017-present]
  - Faculty Senate President [2012-2013]
  - Governance & Senate Operations subcommittee (also served as chair) [2011-2014]
  - Finance, Benefits and Resources subcommittee (also served as chair) [2009-2011, 2017-present]
  - Faculty Overload compensation committee (ad hoc) [2018-present]
- Student Life Committee [2018-present]
- Undergraduate Curriculum and Standards Committee [2011-2014]
- Traffic Appeals Committee (also served as chair) [2006-2018]
- Hall of Fame Committee [2014-present]
- Intercollegiate Athletics Committee (currently chair) [2006-present]
  - Sports Expansion subcommittee [2009-2010]
- Technology Advisory Council, alternate member [2009-2010]
- Hiring committee, Vice-President for Business Affairs [2015-2016]
- Hiring committee chair, Director of Athletics [2014]
- Hiring committee co-chair, Game Studies & Design Professor [2011]
- Hiring committees, numerous Department of Athletics positions [2006-2018]
- Hiring committee, Computer Science Professor position [2018-2019]
- Hiring committees, numerous Mathematics Professor positions [2005-2008, 2011-2013, 2017-2019]
- Hiring committee, Instructor of Mathematics (2 positions) [2015-2016, 2018]
- Interdisciplinary Studies major development committee [2010-2011]
- Numerous Teacher Education Program (TEP) committees [2006-2015]
- Space Utilization Committee [2012-2013]
- President's Cabinet [2012-2013]
- General Education Review Committee [2012-2015]
- RPM Committee [2015]

Other Service and Activities:

- Faculty Athletics Representative [2014-present]
- Faculty Adviser, Montevallo Organization of Gaming (MOG) [2005-present]
- Faculty Co-Adviser, University of Montevallo Cosplay Association (UMCA) [2015-present]
- Assisted in establishing and helping to maintain the Game Studies & Design minor at Montevallo
- Assisted in establishing and funding the Peggy G. Tyler Memorial Scholarship at the University of Montevallo
- Assisted in establishing and funding the Melanie Tyler Owen Memorial Scholarship at Delta State University

- Assisted in developing two proposals for a Computer Science major, the first of which was rejected
- Advised roughly thirty-one mathematics senior seminar projects
- Advised several undergraduate research projects
- Served as the coordinator for selecting recipients for various mathematics scholarships
- Served as the academic adviser for numerous students, including mathematics and non-mathematics majors
- Ran a week-long games summer camp for Birmingham middle school children [2015]
- Served in numerous volunteer activities as a member of the Alabama Garrison of the 501<sup>st</sup>. These activities include raising money for various charities, as well as volunteering with events at Birmingham Children's Hospital, Pinson public library, Hoover public library, Alabaster public library, and other places.
- Worked at various recruiting events for the mathematics program
- Worked at numerous events recruiting for the Game Studies and Design minor. These events include Play-On-Con, Alabama Phoenix Festival, Kami-Con, Birmingham Game Days, and Dice-Tower Con
- Gave several guest talks to various classes at the University of Montevallo
- Won the 12<sup>th</sup> annual life raft debate
- Participated in the 13<sup>th</sup> annual Life Raft Debate
- Spoke to students at Montevallo High School
- Worked with the Future Falcons and gave lectures to middle school students involved with the program
- Gave a lecture to students from the Jewish Day School of Birmingham
- Worked as a volunteer judge for the Greek Week games
- Served as a judge at the Baptist Student Union's Mr. Motown competition
- Assisted in establishing a mathematics trail for local high school students
- Took University of Montevallo mathematics majors to the University of Mississippi on trips to explore the graduate program in mathematics

Training sessions completed:

- Basic & Advanced Canvas
- Canvas for online courses
- ProctorU
- Consent & Respect: Sexual Misconduct Training
- Active Shooter Response Training

## **Honors and Awards**

- Course Development Grant for developing and teaching an online section of Math 144 for Summer of 2018
- Teaching and Learning Grant for developing and teaching an online section of Math 162 for Summer 2017
- University of Montevallo Faculty Service Award (2014)
- Resolution of Appreciation from the University of Montevallo Board of Trustees (2013)
- Sabbatical granted in Fall 2013

- Graduate Award for Excellence in Teaching (University of Mississippi)

## **Publications**

- W. Staton and B. Tyler, *On Tiling the  $n$ -Dimensional Cube*, Mathematics Magazine, volume 78, number 4, (2005), 305-309.
- W. Staton and B. Tyler, *On the Extremal Question for Odd Girth*, Bulletin of the ICA, volume 47, (2006), 33-36.
- W. Staton and B. Tyler, *On the Erdos Square-Packing Conjecture*, Geombinatorics, XVII (2), (2007), 88-94.
- W. Staton and B. Tyler, *On Visible Tilings*, Geombinatorics, XXV (3), (2016), 103-112.
- C. Martin and B. Tyler, *Descent to Munchkin: From Pen-and-Paper to Board and Card*, The Role-Playing Society: Essays on the Cultural Influence of Rpgs, McFarland, (February 2016).
- C. Martin and B. Tyler, *Character Creation: Gamification and Identity*, Teaching Media Quarterly, volume 5, issue 2, (2017), article 5.
- C. Martin and B. Tyler, *Conflict Management 101:University edition*, OneShot: A Journal of Critical Play and Games, to appear, (2019)