

Christopher Michael Cyr
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EDUCATION

Ph.D. in Mathematics in April 2017.
University of Florida, Gainesville, Florida.
Dissertation: “On S-Semipermutable Subgroups of Simple Groups”
Committee chair: Alexandre Turull

Master of Science in Mathematics in December 2012.
North Carolina State University, Raleigh, North Carolina.

Bachelor of Science in Mathematics (summa cum laude) in May 2010.
Bachelor of Arts in Music (summa cum laude) in May 2010.
Mercer University, Macon, Georgia.

WORK EXPERIENCE

Associate Professor of Mathematics at Covenant College, August 2023 – present.
Assistant Professor of Mathematics at Covenant College, August 2017 – July 2023.

- Responsible for teaching 24 credit hours per academic year of mathematics courses, including a mix of intermediate and upper-division classes. Courses taught include:
 - College Algebra (Spring 2018, Spring 2019, Spring 2020)
 - Calculus 2 (every spring from 2018-present)
 - Calculus 3 (every fall from 2017-present)
 - Introduction to Proofs (every spring from 2018-present)
 - Linear Algebra (every fall from 2017-present)
 - Discrete Math (Spring 2020, Fall 2023)
 - Probability (Spring 2021, Spring 2023)
 - Euclidean & Non-Euclidean Geometry (Spring 2019, Spring 2021, Spring 2023)
 - Abstract Algebra (Fall 2019, Spring 2022)
 - Real Analysis (Fall 2018, Fall 2020, Fall 2021, Fall 2023)
 - Topology (Fall 2022)
 - Complex Variables (Fall 2020, Spring 2022)
 - Philosophy & Faith Perspectives on Mathematics (Fall 2019, Fall 2022)

Teaching Assistant at University of Florida, August 2012-August 2017.

- Lecturer/instructor of record for courses in college algebra, precalculus, multivariable calculus, differential equations, and abstract algebra. Created syllabi, helped write exams, wrote lecture notes (for precalculus, differential equations, and abstract algebra) and quizzes, produced supplementary practice problems and review sheets/study guides as needed, held office hours, and graded all written work.

- Discussion leader for courses in precalculus (with and without trigonometry), differential and integral calculus (Calculus 1 and 2), and multivariable calculus (Calculus 3). Worked out solutions to homework questions, wrote, administered, and graded weekly quizzes, answered student questions by email, graded free response portion of exams, and held three office hours per week.

Teaching Assistant at North Carolina State University, August 2010 – May 2012.

- Lecture assistant for an introductory calculus course (geared toward business majors), a multivariable calculus course, and a differential equations course. Maintained attendance record at lectures, held office hours, and graded exams.
- Discussion leader for a precalculus course. Used online program to work out solutions to homework questions in addition to holding regular office hours, maintaining attendance records, and grading exams.

REG participant at N.C. State University, June – August 2012.

Member of a research group which proved results on the generalized symmetric spaces of dicyclic groups. A paper detailing these results can be found on the arXiv: 1310.0121.

Private Tutor, October 2003 – April 2017.

Tutored several individuals one-on-one in high school/college math.

ACADEMIC HONORS AND AWARDS

- Kenneth and Janet Keene Endowed Dissertation Fellowship (University of Florida, Spring 2017)
- Math Department Graduate Student Teaching Award (University of Florida, April 2015 and April 2016)
- Participant in IMMERSE program at University of Nebraska-Lincoln (June – July 2010).
 - Twenty recent college graduates from small liberal-arts schools across the nation participated in a six-week bridge program in preparation for advancing to graduate study in math, which consisted of an in-depth reading of two published mathematical articles, one each in analysis and algebra, and an introduction to writing in LaTeX.
- Riley Plymale Award for Excellence in Mathematics (Mercer University, April 2010 - given to outstanding senior mathematics major)
- Academic Excellence in Music and Excellence in Performance Awards (Mercer University, April 2010)
- Alto saxophonist in the Georgia Music Educators' Association All-College Band (January 2010)
- Joseph Maerz Judges' Discretionary Award, Collegiate Division (February 2008 - saxophone)

PRESENTATIONS GIVEN

- “Partnered Problem-Solving as a Gateway to Active Learning,” presented at the ACMS Conference at Azusa Pacific University in Azusa, CA (June 2, 2022).

- “Nilpotent Subgroups and Semipermutability in Some Simple Groups,” presented at the Southern Regional Algebra Conference at the University of Southern Alabama in Mobile, AL (March 17, 2017).
- “Nilpotent Subgroups and Semipermutability in the Symmetric Group,” presented at the Zassenhaus Group Theory Conference at Adelphi University in Garden City, NY (June 11, 2016).
- “Permutable p -groups Are Hard to Find (in S_n),” presented at the Graduate Math Association colloquium at the University of Florida in Gainesville, FL (April 8, 2015).
- “A Theorem of Isaacs on S -Semipermutable Subgroups and Some Consequences,” presented at the algebra seminar at the University of Florida in Gainesville, FL (October 24, 2014).
- “Chermak-Delgado Lattices,” presented at the algebra seminar at the University of Florida in Gainesville, FL (October 23, 25, 28, 2013 – 3-part series).

PUBLICATIONS

“On involutions and generalized symmetric spaces of dicyclic groups”, arXiv: 1310.0121. Joint work with Abigail Bishop, John Hutchens, Clover May, Nathaniel Schwartz, and Bethany Turner.

PROFESSIONAL MEMBERSHIPS

- American Mathematical Society (since 2011)
- Association of Christians in the Mathematical Sciences (since 2018)
- Mathematical Association of America (since 2020)
- Phi Kappa Phi Honor Society (since 2008)

INSTITUTIONAL SERVICE

- Mathematics Department Chair (August 2017-present)
 - Serve as academic advisor to all mathematics majors
 - Supervise senior math majors in developing and writing their capstone projects
 - Created new course MAT 490 “Philosophy and Faith Perspectives on Mathematics” in Fall 2019 as a required course for the math major
 - Standardized the rotation of upper-division math course offerings
 - Provided direction and vision for the implementation of corequisite college algebra course (starting Fall 2022)
 - Oversee all the details of the math program:
 - ◆ Schedule and staff math courses each semester
 - ◆ Complete evaluations of adjunct faculty
 - ◆ Manage the department budget
 - ◆ Complete program assessment each year
 - ◆ Interact with prospective students
 - ◆ Administer the math placement test to incoming freshmen every fall
- Faculty Status Committee (October 2020-present)
- Information Technology Committee (August 2018-May 2021)

LEADERSHIP ROLES

- Graduate student mentor, University of Florida
 - Katie Bianco (2016-17)
 - Nick Sizemore (2015-16)
- Vice President of Graduate Christian Fellowship, University of Florida (May 2016-August 2017)
 - Member (August 2014-August 2017).
- Treasurer of Mercer Students for Life (pro-life club), Mercer University (November 2009-May 2010)

CHURCH SERVICE

- Deacon at Cornerstone OPC (December 2021-present)
- Trustee at Cornerstone OPC (January 2022-present)
- Member of Music Committee at Cornerstone OPC (December 2021-present, chair in 2022)
- Music coordinator at Cornerstone OPC (September 2019-present)
 - Select hymns for weekly services
 - Coordinate schedule of piano accompanists
- Piano accompanist at the following churches:
 - Cornerstone Orthodox Presbyterian Church in Chattanooga, TN (August 2018 – present)
 - Redemption Orthodox Presbyterian Church in Gainesville, FL (February 2014-August 2017)
 - St. Andrew the Apostle Catholic Church in Apex, NC (June 2011-August 2012)
 - Holy Name of Jesus Catholic Church in Indialantic, FL (June 2003-August 2006)
- Choir member at St. Joseph Catholic Church in Macon, GA (August 2006-May 2010)