

Alexander York

Curriculum Vitae
Department of Mathematics
Little Hall
University of Florida
Gainesville, FL, 32611
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Education

Ph.D. Mathematics, University of Central Florida (2018)
M.S. Mathematics, University of Central Florida (2015)
B.S. Mathematics, University of Central Florida (2012)
Dean's List 2010 - 2012

Employment

University of Florida	Gainesville, FL
Lecturer	(2018 - Present)
Department of Mathematics	
Analytic Geometry and Calculus I (MAC 2311)	
Course Coordinator	(Spring 2020 - Present)
Instructor	(Fall 2018 - Present)
Elementary Differential Equations (MAP 2302)	
Instructor	(Summer B 2021)
Analytic Geometry and Calculus II (MAC 2312)	
Instructor	(Spring 2021)
Precalculus Algebra and Trigonometry (MAC 1147)	
Instructor	(Summer B 2020)
Advanced Calculus II (MAA4103/5105)	
Instructor	(Summer C 2019)
University of Central Florida	Orlando, FL

Graduate Teaching Associate (2015 - 2018)
Mathematics Department
Instructor of Record

Calculus I (MAC 2311) (Summer 2018)

EXCEL/COMPASS Programs
Instructor of Record

Mathematics for Calculus (MAC 2147) (Fall 2017, Spring 2018)

Calculus II (MAC 2312) (Spring 2016, Summer 2016)

Calculus III (MAC 2313) (Summer 2015, Fall 2016, Spring 2017, Summer 2017)

Graduate Teaching Assistant (2014 - 2015)
EXCEL/COMPASS Programs

Calculus I (MAC 2311) (Fall 2015)

Mathematics for Calculus (MAC 2147) (Spring 2015)

College Algebra (MAC 1105) (Fall 2014)

Mathematics Department

Calculus I (MAC 2311) (Summer 2014)

Graduate Teaching Assistant (2013 - 2014)

Mathematics Assistance and Learning Lab

Publications

- [1] Z. Song, T. Ward and A. York, *A Note on Weighted Rooted Trees*, Discrete Mathematics, (2015) <https://doi.org/10.1016/j.disc.2015.06.014>
- [2] J. P. Brennan and A. York, *An Extension of a Theorem by Frobenius and Stickelberger to Modules of Projective Dimension One over a Factorial Domain*, Journal of Pure and Applied Algebra, (2018), <https://doi.org/10.1016/j.jpaa.2018.04.011>
- [3] D. Chamberlain, A. Grady, S. Keeran, K. Knudson, I. Manly, M. Shabazz, C. Stone, and A. York, *Transitioning to an Active Learning Environment for Calculus at the*

University of Florida, PRIMUS, (2020), <https://doi.org/10.1080/10511970.2020.1769235>

[4] A. York, *A Categorical Approach to Linkage*, Applied Categorical Structures, (2021)
<https://doi.org/10.1007/s10485-020-09623-9>

[5] Alexander York, *Quasi-Gorenstein Modules*, Ph.D. Thesis, University of Central Florida
Summer 2018

Presentations

AMS Fall Southeastern Sectional Meeting (Invited) (2017)
Perfect Modules and Linkage - Special Session on Commutative Algebra
Orlando, Florida

Local Cohomology Conference - University of Minnesota (Invited) (2017)
Poster - An Extension of a Theorem of Frobenius and Stickelberger
Minneapolis, Minnesota

Discrete Math Seminar - University of Central Florida (2016)
Fossum Modules, Quadratic Forms, and Grothendieck-Witt Groups
Orlando, Florida

Graph Theory Seminar - University of Central Florida (2016)
Well-quasi-orderings and the Graph Minor Theorem
Orlando, Florida

Graph Theory Seminar - University of Central Florida (2015)
Graphs for Which Every Edge is a Chord
Orlando, Florida

Discrete Math Seminar - University of Central Florida (2015)
Homological Algebra on a Complete Intersection
Orlando, Florida

Conference Attendance

AMS Fall Southeastern Sectional Meeting (2017)
University of Central Florida

Local Cohomology Conference (2017)
University of Minnesota

Applied Macaulay2 (2017)

Georgia Institute of Technology

Recent Developments: Frobenius Operators and Cartier Algebras (2015)
Georgia State University

Atlanta Lecture Series in Combinatorics and Graph Theory (2014)
Emory University