

Alexander York

Curriculum Vitae
Department of Mathematics
Little Hall
University of Florida
Gainesville, FL, 32611
A.York@ufl.edu

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)

Employment

University of Florida Gainesville, FL

Senior Lecturer (2023 - Present)
Department of Mathematics

Instructor of Record

Analytic Geometry and Calculus III (MAC2313) (Spring 2024 - Present)
Elementary Differential Equations (MAP2302) (Spring 2024 - Present)
Analytic Geometry and Calculus I (MAC2311) (Fall 2024)

Lecturer (2018 - 2023)
Department of Mathematics

Course Coordinator

Analytic Geometry and Calculus I (MAC2311) (Spring 2020 - Spring 2023)

Instructor of Record

Analytic Geometry and Calculus I (MAC 2311) (Fall 2018 - Present)
Introduction to Number Theory (MAS4203) (Summer B 2022)
Elementary Differential Equations (MAP 2302) (Summer B 2021)

Analytic Geometry and Calculus II (MAC 2312)	(Spring 2021)
Precalculus Algebra and Trigonometry (MAC 1147)	(Summer B 2020)
Advanced Calculus II (MAA4103/5105)	(Summer C 2019)

Committee Assignments

University Wide Committees

Faculty Senate	(2022 - Present)
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College of Liberal Arts and Sciences Committees

CLAS Faculty Council	(2021 - 2023)
Nominating Committee	(2020 - 2022)

Departmental Committees

Teaching Methods Committee	(2018 - 2020, 2024-2025)
Online Course Development	(2018 - Present)
TA Training	(2018 - Present)
Diversity, Equity, and Inclusion Committee	(2020 - 2024)
Undergraduate Committee Lower Division	(2020 - 2024)

University of Central Florida Orlando, FL

Graduate Teaching Associate (2015 - 2018)

Mathematics Department

Awards: Ed Norman Award for Excellence in Mathematics	(2018)
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Instructor of Record

Calculus I (MAC 2311)	(Summer 2018)
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EXCEL/COMPASS Programs

Instructor of Record

Mathematics for Calculus (MAC 2147)	(Fall 2017, Spring 2018)
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Calculus II (MAC 2312)	(Spring 2016, Summer 2016)
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Calculus III (MAC 2313)	(Summer 2015, Fall 2016, Spring 2017, Summer 2017)
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Graduate Teaching Assistant (2014 - 2015)

EXCEL/COMPASS Programs

Calculus I (MAC 2311)	(Fall 2015)
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Mathematics for Calculus (MAC 2147)	(Spring 2015)
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College Algebra (MAC 1105)	(Fall 2014)
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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

- UF Algebra Seminar** (2019)
A Structure Theorem for Quasi-Gorenstein Modules
Gainesville, Florida
- 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