

Department of Mathematics
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Courses taught at UNG (Fall 2016 – present)

- Math 0997: Learning Support for Math 1001 (Fall 2017)
- Math 0999: Learning Support for Math 1111 (Spring 2018)
- Math 1001: Quantitative Skills and Reasoning (Fall 2016, Fall 2017, Fall 2018)
- Math 1111: College Algebra (Fall 2017, Spring, Summer & Fall 2018, Fall 2019, Spring & Fall 2020)
- Math 1113: PreCalculus (Fall 2016, Spring 2017, Summer 2018)
- Math 2400 (*now changed to Math 1401*): Elementary Statistics (Spring 2017)
- Math 1450: Calculus I (Spring & Fall 2018)
- Math 2040: Brief Calculus (Spring 2019, Spring 2020)
- Math 2460: Calculus II (Fall 2016, Summer & Fall 2019)
- Math 2470: Calculus III (Spring 2019, Fall 2020)
- Math 2510: Intro to Discrete Mathematics (Summer 2017, Fall 2019, Spring 2020)
- Math 3000: Differential Equations (Spring 2018)
- Math 3600 (*now changed to Math 4600*): Intro to Abstract Algebra I (Fall 2017 & 2018 & 2020)
- Math 3650: Intro to Linear Algebra (Spring & Summer 2019)

Online UNG courses:

- Math 2400: Elementary Statistics (Summer 2020)
- Math 2040: Brief Calculus (Summer 2020)

Presentations at UNG Events

- P1.** Poster presentation at 2019 UNG Symposium on Innovation, Research and Engagement (SOIRE), Dahlonega, GA, Nov 15, 2019: *Design Advanced Algebra Courses With Significant Learning Experiences: Using SageMath To Enhance Project-Based Learning Activities*
- P2.** UNG Mathematics Colloquium, Gainesville, Feb 25, 2019 (joint talk with Irfan Bagci): *Using SageMath to enhance Project-based learning activities in advanced algebra courses*
- P3.** UNG Math Club Talk, Feb 21, 2018: *On the Fermat's Last Theorem*
- P4.** 2017 UNG SIAM Mini Symposium, University of North Georgia–Gainesville, GA, Apr 5, 2017: *On the theory of partitions*

Conferences and Workshops Attended

- A1.** Online Course Design and Course Planning webinar, OFD Summer Workshop Course Design, June 18, 2020.
- A2.** Promotion and Tenure Policies and e-Portfolios, UNG Workshop webinar on March 19, 2020.
- A3.** Teaching Conversation Workshops, UNG-Gainesville, 2017–2018
- A4.** 2017 Research on Teaching and Learning Summit, KSU Center, Kennesaw, GA, Oct 13, 2017

- A5. Workshop: Copyright, Images, and Educational Use Part I, September 6, 2017
- A6. New Faculty Institute Workshops, UNG-Gainesville, 2016–2017
- A7. 2016 Research on Teaching and Learning Summit, KSU Center, Kennesaw, GA, Oct 14-15, 2016.
- A8. Math Club Talks, UNG-Gainesville, 2016–present

Certificates

- C1. 2020 Security Awareness Training Certificate
- C2. UNG Online Teaching Certification (obtained in Summer 2019)
- C3. Certificate for completing Teaching Conversation Workshops, 2017–2018
- C4. Certificate for completing New Faculty Institute Workshops, 2016–2017

Grants, Honors, and Awards

- G. 2019 Presidential Innovation Incentive Award with the project “*Design Advanced Algebra Courses With Significant Learning Experiences: Using Sagemath To Enhance Project-Based Learning Activities*” joint with Irfan Bagci.

Course/curriculum Development

- D1. Math 4610: *Modern Algebra*. Irfan Bagci and I proposed this course in Fall 2019. It has been approved and will be offered in Spring 2021. This course is the next step of Abstract Algebra I (Math 4600), complementing to Abstract Algebra II (Math 4620).
- D2. Math 4900B: Independent Study (Summer 2018): This is a new course titled *Advanced Proof Techniques*. It is designed to provide students with necessary skills for 2018 Putnam competition (<https://www.maa.org/math-competitions/putnam-competition>) and for graduate level courses.
- D3. Redesign curriculum components of College Algebra (joint with the Gateways to Completion committee). A pilot implementation of the new design was applied to Math 1111 sections (of committee members) in Fall 2019 and Spring 2020.

Others

- O1. Organized Training Sessions for the 2019 Putnam Competition. These sessions met every Monday in the Fall 2019. Students practiced with sample problems I assigned.
- O2. Observe Thomas Hartfield’s class in Fall 2018 to learn how he organizes his lecture and use technology in classroom.