

# Curriculum Vitae

## Farhaana Nyamekye-Frazier PhD

Clinical Assistant Professor/Secondary Math  
PDS Coordinator, UMD College Park, MD

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Greenbelt, MD 20770  
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### **EDUCATION**

*University of Maryland*, College Park, MD, August 2004-August 2010  
Ph.D. in Curriculum and Instruction. Area of Specialization: Mathematics Education

*University of Texas at Austin*, Austin, Texas, August 2002-December 2003  
M.A. in Mathematics Education

*University of Miami*, Miami, FL, August 1998-May 2002  
B.S. in Mathematics. Minor: Secondary Education

*School for Advanced Studies-South, Dual enrollment*, Miami, FL, August 1996- May 1998  
High School Diploma + College Credits.

### **AWARDS and HONORS**

- Member of Diversity Panel at the Women's Leadership Symposium, March 2019
- Member of the selection panel for the Presidential Award for excellence in mathematics and science teaching, May 2013
- Mid-Atlantic Center for Research in Mathematics Teaching and Learning Fellowship, January 2005-January 2008
- University of Maryland, College of Education Scholarship, August 2006- August 2008

### **TEACHING/SUPERVISORY EXPERIENCE**

*Adjunct Faculty*: Conducting Research on teaching, University of Maryland Spring-Summer 2024

- Lecturer in hybrid environment
- Engaging College of Education students in explorations of lesson study
- Preparation of Masters level teacher educators for national board certification
- Course management via Canvas

*Adjunct Faculty*: Quantitative Foundations, Introduction to College Algebra, Introduction to Precalculus, Anne Arundel Community College, University of Maryland 2023-Present

- Lecturer in face-to-face environment
- Facilitator in Lab environment
- Engaging students in quality mathematics instruction
- Course management via Canvas and MyMathLab

*Secondary Mathematics PDS Coordinator/Assistant Clinical Faculty*: Professional Seminar in Education, Field experiences in Education, University of Maryland College Park, MD 2022- 2023, 2024-Present

- Achieved 100% graduate rate for all Ay 22-23 student interns
- Achieved 100% hiring rate into the workforce for all student interns at the duration of their internship
- Coordinated undergraduate and graduate student placements in Professional Development Schools
- Facilitated a year-long seminar course to support teacher candidates
- Supervised teacher interns and tracking Praxis preparation and completion
- Collaborating within Terrapin Teachers and the College of Education to make sure deadlines are met
- Building and maintaining communication and relationships with mentor teachers and UMD supervisors
- Conducted orientation training for mentor teachers, supervisors, and interns
- Effectively diagnosed situations regarding interns who were not meeting the criteria of their internships and implemented action plans as needed

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## Farhaana Nyamekye PhD

*Professor:* Pre Calculus I, Statistics, Mathematical ideas, remote and face to face, Prince George's Community College 2021- 2022

- Lecturer in both synchronous and asynchronous virtual environments, facilitator of MyMathLab
- Coordination of Terrapin Teachers program recruitment at PGCC

*Tenured Professor/Department Coordinator:* First year experience, College Mathematics, Pre-Algebra, Algebra, Finite Mathematics, College Algebra, Quantitative Literacy, Statistics, online and face to face, College of Southern MD, August 2014- 2021

- Management of developmental mathematics pathway and adjunct faculty
- Core member of the Promotion and Tenure Committee
- Supervised course coordinators in the Math and Engineering departments, facilitation of assessment/objectives tasks
- Course scheduling coordinator, assigning full and part-time faculty to course sections, facilitation of course program reviews and course assignment alignment with objectives.
- Assisted Department Chair with administrative tasks
- Faculty Advisor for Mathematics majors
- Achieving the Dream core team member, MMATYC and AMATYC member
- Member of college Diversity, Information Technology, and Handbook Committees
- Reviewer for OARP (Online Academic Rigor and Presence)
- Lecturer in both synchronous and asynchronous virtual environments, facilitator of MyMathLab
- Creation and coordination of ADA compliant Zoom video implementation for Flipped classroom
- Proficient with Microsoft Word, Excel, PowerPoint, Outlook and Teams, Zoom, Google classroom, Google Meet, Brightspace D2L, working knowledge of Curriculumlog

*Mathematics Specialist, Mathematics Department Chair:* Pre-Algebra, Algebra, Finite Mathematics, Graduate level business mathematics, Trinity Washington University, July 2010-2014, (School of Professional Studies adult population)

- Management of mathematics curriculum, Supervision of mathematics adjunct faculty
- Creation and presentation of math anxiety, time management, and math test taking strategy workshops
- Writing of annual reports on student outcomes. Conducting quantitative analyses of data on pass rates, course efficiency, course retention, diagnostic test results, analyzing and interpreting the data, making recommendations based on the data
- Coordination of STEM talks
- Design of Praxis mathematics workshop series
- Design of Mathematics for Educators courses
- Pre-foundational mathematics course design
- Standardization of mathematics curriculum
- Course management through Moodle, MyMathLab, and Cengage
- Facilitation of lecture via Smartboard technology

*Adjunct Faculty:* Intermediate Algebra, Introductory Algebra, University of Maryland Global Campus, February 2012- present; Fully remote

- Facilitation of online instruction
- Course management through Web Tycho, LEO, Canvas, MyMathLab, and ALEKS

*Adjunct Faculty:* Pre-Algebra, Beginning Algebra, Elementary Algebra, Intermediate Algebra, Montgomery Community College-Takoma Park, August 2006-May 2010

- Face to Face Lecture
- Course management through MathXL

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## Farhaana Nyamekye PhD

*Instructor/Counselor:* Math confidence building and study skills, Learning Assistance Service, University of Maryland, August 2009- May 2010:

- Academic counseling
- Retention and outreach
- Course design
- Face to Face, Online, and Hybrid course, Course management through Blackboard
- Academic assistance of various mathematical topics via Web Assign

*Instructor:* Basic math component, Academic Achievement Program, University of Maryland, June-July 2009:

- Lecture (pre-service teachers)

*Intern:* Secondary mathematics methods, University of Maryland, Spring 2007:

- Observed teaching of this course and participated in the planning and teaching of various lectures

*Instructor:* Elementary mathematics methods, University of Maryland, Spring 2006:

- Lecture (pre-service teachers)

*Instructor:* Developmental Mathematics, Summer Bridge Program for Scientists and Engineers, University of Maryland, June-July 2005, June-July 2006:

- Facilitation of on-line course modules

*Teaching Assistant:* Logic and set theory, University of Texas at Austin, post-masters, Spring 2004:

- Solely responsible for grading and holding office hours for tutoring

*Teaching Assistant:* Logic and set theory, honors section, University of Texas at Austin, Fall 2003:

- Solely responsible for grading and facilitating a discussion section

*Teaching Assistant:* Classroom Interactions (secondary mathematics pre-service teacher course), University of Texas at Austin UTeach Program, Spring 2003:

- Videotaped and transcribed video tapes
- Maintained course website, course management through Blackboard
- Assisted students with Fathom software usage

*Counselor:* Upward Bound, University of Miami, Florida, June-July 2001, June-July 2002:

- Counseling
- Mathematics tutoring
- Submitted weekly student evaluations

*Student Teacher:* Coral Gables Senior High school, Miami, Florida, January-May 2002:

- Lecture, Algebra, Honors Algebra

## **RESEARCH EXPERIENCE**

*Doctoral Research:* Department of Mathematics Education, University of Maryland, 2004-2010 (research advisor: Dr. Daniel Chazan):

- Embracing mathematics identity in an African-centered school: Construction and interaction of racial and mathematical identities.

*Mid-Atlantic Center for Mathematics Teaching and Learning Research:* Department of Mathematics Education, University of Maryland, 2005-2009 (research advisors: Dr. Patricia F. Campbell and Dr. Daniel Chazan):

- Analyzed qualitative data on urban teachers of mathematics
- Created instruments to measure mathematics teachers' content and pedagogical content knowledge
- Piloted these instruments among pre-service teacher educators
- Analysis of NAEP math outcomes

University of Texas at Austin, 2002 (research adviser: Jere Confrey)

- Quantitative Analysis of TAAS test math scores

*Distance Education Center Research:* University of Texas at Austin, 2002 (research advisers: Former NCTM President Cathy Seely and Dr. Uri Treisman):

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### Farhaana Nyamekye PhD

- Developed components of a distance learning Algebra curriculum

#### **PUBLICATIONS and PRESENTATIONS**

Nyamekye, F. (2013). Separate schools for black adolescent math learners. *For the learning of mathematics*, 33(3).

Johnson, Nyamekye, Chazan, & Rosenthal (2013). Teaching with speeches: A black teacher who uses the mathematics classroom to prepare students for life. *Teachers College Record*.

Nyamekye (2010). Embracing mathematics identity in an African-centered school: Construction and interaction of racial and mathematical student identities.

[http://drumstage.lib.umd.edu/bitstream/1903/10939/1/Nyamekye\\_umd\\_0117E\\_11602.pdf](http://drumstage.lib.umd.edu/bitstream/1903/10939/1/Nyamekye_umd_0117E_11602.pdf)

“The interaction of African American students’ racial and mathematics identities in a school with an African-centered mission,” paper discussion presenter, AERA Annual Conference, San Diego, April 2009

"African American Teachers Assisting their Students in Becoming Intentional Learners," panel member, AERA Annual Conference, New York, March 2008

“Issues in Case Study Research on Teaching in Urban Algebra Classrooms,” panel member, NCTM research pre-session, Salt Lake City, April 2008

“Mathematics Learning in an African-Centered Classroom,” poster presentation, AERA Annual Conference, New York, March 2008

Chazan, D. et. al. (2007). What NAEP can (and cannot) tell us about performance in Algebra. In P. Kloosterman, F. K. Lester, Jr. (Eds.), *NCTM Results and Interpretations of the 2003 Mathematics Assessment of the National Assessment of Educational Progress* (pp.169-190). Reston, VA

“Defining and Assessing Pedagogical Content Knowledge for Mathematics”, panel member, NCTM Annual Conference, Atlanta, March 2007